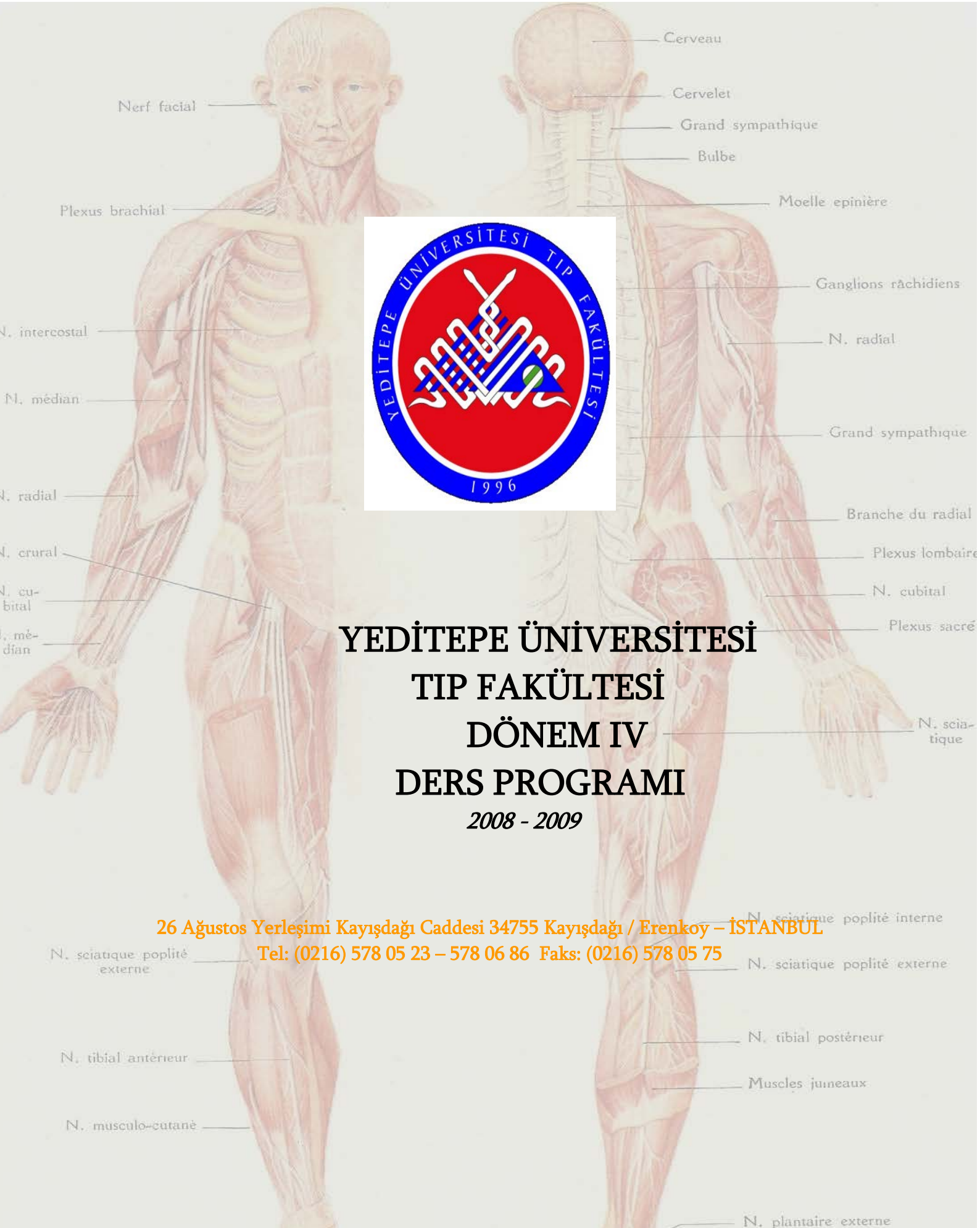


**YEDİTEPE ÜNİVERSİTESİ
TIP FAKÜLTESİ
DÖNEM IV
DERS PROGRAMI**

2008 - 2009



YEDİTEPE ÜNİVERSİTESİ
TIP FAKÜLTESİ
DÖNEM IV
DERS PROGRAMI
2008 - 2009

26 Ağustos Yerleşimi Kayışdağı Caddesi 34755 Kayışdağı / Erenköy – İSTANBUL

Tel: (0216) 578 05 23 – 578 06 86 Faks: (0216) 578 05 75

N. sciatique poplite externe

N. tibial anterieur

N. musculo-cutane

N. sciatique poplite interne

N. sciatique poplite externe

N. tibial posterieur

Muscles jumeaux

N. plantaire externe

Dekan Mesajı

Segili Öğrenciler,

Tıp öğreniminin 4. yılına başladığımız bu yılın özelliği; klinik öğrenimin (staj eğitimi) başlamasıdır. Fakültede ilk iki yılda kazandığınız teorik bilgiler ve pratik deneyimler bu yıl size verilecek dersleri daha kolay anlamanızı ve pratikte kullanmanızı sağlayacaktır. Derslerinize yeterli ilgi ve özeni gösterin, özellikle ilk defa karşılaşacağınız konuları ayrıntılı olarak anlatan kitaplardan öğrenmeye çalışın. Derslere ve uygulamalara devam etmek ve gördüğünüz konuları vakit geçirmeden kaynak kitaplardan da okuyarak bilginizi sağlamlaştırmak başarınızı çok yükseltecektir. Bu yıl ayrıca, sizlere hafatanın iki günü kampüste “Genel Tekrar Dersleri” adı altında temel bilimlerin bilgilerinin tekrarlanacağı ve böylece pekiştirmesi amaçlanan bir ders konulmuştur. Bu derse mutlaka devam etmeniz ve gördüğünüz konuları tekrar etmeniz 6. sınıf sonunda gireceğiniz Tıp’ta Uzmanlık Sınavı açısından size çok yararlı olacaktır.

Yeditepe Üniversitesi Tıp Fakültesini sizlerin de katkısıyla diğer tıp fakülteleri arasında daha ileriye taşıyacağımıza inanıyorum.

2008-2009 Akademik yılında başarılar diliyorum.

INTERNAL MEDICINE

(12 Weeks)

01.09.2008-21.11.2008

**YEDİTEPE UNIVERSTY HOSPİTAL& HAYDARPAŞA NUMUNE TRAINING AND RESEARCH HOSPITAL
WHOLE CLASS**

**CHILD HEALTH AND PEDIATRICS
(9 Weeks)**

24.11.2008-23.01.2009

**LUTFU KIRDAR KARTAL
TRAINING AND RESEARCH HOSPITAL
(GROUP A)**

GENERAL SURGERY (6 Weeks)

24.11.2008-02.01.2009

**HAYDARPASA NUMUNE
TRAINING AND RESEARCH HOSPITAL
(GROUP B)**

DATES	B1	B2	B3
05.01.2009 09.01.2009	THORIC SURGERY (S.E.H)	CARDIOVAS. SURGERY (Y.U.H.)	PLASTIC&RECON. SURGEY (H.N.H)
12.01.2009 16.01.2009	CARDIOVAS. SURGERY(Y.U.H)	PLASTIC&RECON. SURGEY (H.N.H)	THORIC SURGERY (S.E.H)
19.01.2009 23.01.2009	PLASTIC&RECON. SURGEY (H.N.H)	THORIC SURGERY (S.E.H)	CARDIOVAS. SURGERY(Y.U.H.)

GENERAL SURGERY (6 Weeks)

26.01.2009—06.03.2009

**HAYDARPASA NUMUNE
TRAINING AND RESEARCH HOSPITAL
(GROUP A)**

DATES	A1	A2	A3
09.03.2009 13.03.2009	THORIC SURGERY (S.E.H)	CARDIOVAS. SURGERY(Y.U.H.)	PLASTIC&RECON. SURGEY (H.N.H)
16.03.2009 20.03.2009	CARDIOVAS. SURGERY(Y.U.H.)	PLASTIC&RECON. SURGEY (H.N.H)	THORIC SURGERY (S.E.H)
23.03.2009 27.03.2009	PLASTIC&RECON. SURGEY (H.N.H)	THORIC SURGERY (S.E.H)	CARDIOVAS. SURGERY (Y.U.H.)

**CHILD HEALTH AND PEDIATRICS
(9 Weeks)**

26.01.2009-27.03.2009

**LUTFU KIRDAR KARTAL
TRAINING AND RESEARCH HOSPITAL**

OBSTETRICS AND GYNECOLOGY

(6 Weeks)

30.03.2009 - 08.05.2009

**ZEYNEP KAMIL WOMEN AND CHILDREN'S TRAINING AND RESEARCH HOSPITAL
WHOLE CLASS**

YEDİTEPE UNIVERSITY HOSPITAL (Y.U.H.)

HAYDARPASA NUMUNE TRAINING AND RESEARCH HOSPITAL (H.N.H.)

SIYAMI ERSEK TRAINING AND RESEARCH HOSPITAL (S.E.H.)

PHASE IV

**2008-2009
GROUP A**

<u>GROUP 1A</u>	<u>GROUP 2A</u>	<u>GROUP 3A</u>
TOLGA MÜDERRİSOĞLU	MASUM KAYAPINAR	SEBİLE DURMAZ
GÖKHAN ÇETİN	MÜBAREK KÖSEOĞLU	NAİME BAŞAK ŞEKER
ZİKRİ ÖZTÜRK	LATİF MUSTAFA ÖZBEK	MÜGE ARSLAN
ERALD RUÇİ	MUHAMMED YUSUF AK	MEHMET ÖZVEREN
ALİ BARIŞ ŞEN	İSMAİL SEZİKLİ	UĞUR ÇELİK
RECEP ERÇİN SÖNMEZ	LALE KAVAN	EKİN CAN ÇELİK
ULYA ÜSKENT	SEDA GÜNEŞLİ	ASLI BAHAR UÇAR
MANOLYA URAS	EMEL ERDOĞAN	ÖZGÜN KAYABAŞI
SEDA NİLÜFER VARDAR	BURHANETTİN GÖRGÜLÜ	AZİZ KARA
SEFA YENER	MEHMET ERDOĞAN	TUNA PEHLİVANOĞLU
AYŞE İŞİL DOĞAN		

GROUP B

<u>GROUP 1B</u>	<u>GROUP 2B</u>	<u>GROUP 3B</u>
BUĞÇE TOPUKÇU	YAĞMUR BİRSEV	FATMA EDA NUHOĞLU
SERDAR ÖZKÖK	NUMAN GÜRBÜZ	BURAK KINALI
AYŞENUR TEMEL	EBRU ATMACA	ALİ MURAT KASAPOĞLU
AYŞE PEHLEVAN	PEMBE OKAYGÜN	ÖVGÜ BÜKE
KUBİLAY SABUNCU	MAHMUT CANKAYA	NİHAT BUĞDAYCI
GİZEM ÇETİN	AYŞE ARSLAN	MELİHCAN SEZGİÇ
CANAN ÇALIŞKAN	AYŞE GÜZİN İŞİK	EYÜP HALİT YARDIMCI
BERNA ALTUN	KÜPRA ÖKSÜZ	REYHAN ÜNÜVAR
HATİCE MERVE BAKTIROĞLU	CEREN YÖNDEM	BEKRAN SARSILMAZ
PELİN KUTEYLA ÜLKÜMEN	BURAK ÖZAYDIN	İBRAHİM ÖZBEK

CLERKSHIP PROGRAMMES (36 WEEKS)

INTERNAL MEDICINE (12 weeks)

CHILD HEALTH AND PEDIATRICS (9 weeks)

GENERAL SURGERY (6 weeks)

THORACIC SURGERY (1 week)

CARDIOVASCULAR SURGERY (1 week)

PLASTIC AND RECONSTRUCTIVE SURGERY (1 week)

OBSTETRICS AND GYNECOLOGY (6 weeks)

INTERNAL MEDICINE
(12 Weeks)

PHASE IV

YEDİTEPE UNIVERSITY FACULTY OF MEDICINE
INTERNAL MEDICINE

DATE		TIME	Lecture	Lecturer
01.09.2008	Monday	13:30-14:20	Taking history	Sunay Sandıkçı, MD Prof.
		14:30-15:20	Examination of head and neck	Sunay Sandıkçı, MD Prof.
02.09.2008	Tuesday	13:30-14:20	Examination of respiratory system	Emine Sevda Ozdoğan, MD Assoc.Prof.
		14:30-15:20	Examination of cardiovascular system	Muzaffer Murat Değertekin, MD Prof.
03.09.2008	Wednesday	13:30-14:20	Examination Of Extremities	Müge Bıçakçığıl, MD Assist.Prof.
		14:30-15:20	Examination Of Extremities	Müge Bıçakçığıl, MD Assist.Prof.
04.09.2008	Thursday	13:30-14:20	Clinical electrocardiography	Duhan Fatih Bayrak, MD Assist.Prof.
		14:30-15:20	Clinical electrocardiography	Duhan Fatih Bayrak, MD Assist.Prof.
05.09.2008	Friday	13:30-14:20	Examination of the abdomen	Sunay Sandıkçı, MD Prof.
		14:30-15:20	Heart valve diseases	A. Elif Eroğlu Büyükoğner, MD Assist.Prof.
08.09.2008	Monday	13:30-14:20	Asthma	Emine Sevda Ozdoğan, MD Assoc.Prof.
		14:30-15:20	Chronic obstructive lung disease and corpulmonale	Emine Sevda Ozdoğan, MD Assoc.Prof.
09.09.2008	Tuesday	13:30-14:20	Ischemic heart disease	Muzaffer Murat Değertekin, MD Prof.
		14:30-15:20	Ischemic heart disease	Muzaffer Murat Değertekin, MD Prof.
10.09.2008	Wednesday	13:30-14:20	Heart failure	A. Elif Eroğlu Büyükoğner, MD Assist.Prof.
		14:30-15:20	Heart failure	A. Elif Eroğlu Büyükoğner, MD Assist.Prof.
11.09.2008	Thursday	13:30-14:20	Genitourinary tract infections	Zühtü Tanıl Kocagöz, MD Prof.
		14:30-15:20	Rheumatic Fever	Duhan Fatih Bayrak, MD Assist.Prof.
12.09.2008	Friday	13:30-14:20	Management of cardiac arrhythmias	Duhan Fatih Bayrak, MD Assist.Prof.
		14:30-15:20	Myocardial diseases and cardiomyopathies	A. Elif Eroğlu Büyükoğner, MD Assist.Prof.
15.09.2008	Monday	13:30-14:20	Cardiovascular emergencies	A. Elif Eroğlu Büyükoğner, MD Assist.Prof.
		14:30-15:20	Cardiopulmonary resuscitation	Sibel Temür Sakınmaz, MD Assoc.Prof.
16.09.2008	Tuesday	13:30-14:20	Hypertension	Sunay Sandıkçı, MD Prof.
		14:30-15:20	Hypertension	Sunay Sandıkçı, MD Prof.
17.09.2008	Wednesday	13:30-14:20	Pneumonia	Emine Sevda Ozdoğan, MD Assoc.Prof.
		14:30-15:20	Tuberculosis	Emine Sevda Ozdoğan, MD Assoc.Prof.
18.09.2008	Thursday	13:30-14:20	Approach to the patient with glomerular diseases	Gülçin Kantarcı, MD Assoc.Prof.
		14:30-15:20	Approach to the patient with glomerular diseases	Gülçin Kantarcı, MD Assoc.Prof.
19.09.2008	Friday	13:30-14:20	Management of hyperlipidemia	Sunay Sandıkçı, MD Prof.
		14:30-15:20	Approach to the patient with acute arthritis (mono-oligo and polyarthritis)	Müge Bıçakçığıl, MD Assist.Prof.
22.09.2008	Monday	13:30-14:20	Hyperthyroidism	Hasan Aydın, MD Assist.Prof.
		14:30-15:20	Hypothyroidism	Hasan Aydın, MD Assist.Prof.
23.09.2008	Tuesday	13:30-14:20	Fever of unknown origin	Sunay Sandıkçı, MD Prof.

		14:30-15:20	Acute respiratory distress syndrome	Sibel Temür Sakınmaz, MD Assoc.Prof.
24.09.2008	Wednesday	13:30-14:20	Disorders of pleura, mediastinum, diaphragm	Emine Sevda Ozdoğan, MD Assoc.Prof.
		14:30-15:20	Pulmonary thromboembolism	Emine Sevda Ozdoğan, MD Assoc.Prof.
25.09.2008	Thursday	13:30-14:20	Approach to the patient with chronic arthritis	Müge Bıçakçığıl, MD Assist.Prof.
		14:30-15:20	Approach to the patients with anemia	Sunay Sandıkçı, MD Prof.
26.09.2008	Friday	13:30-14:20	Goiter and thyroid cancer	Hasan Aydın, MD Assist.Prof.
		14:30-15:20	Environmental lung diseases	Emine Sevda Ozdoğan, MD Assoc.Prof.
06.10.2008	Monday	13:30-14:20	Approach to the patients with increased blood counts	Başak Oyan Uluç, MD Assoc.Prof.
		14:30-15:20	Approach to the patient with vasculitis-	Müge Bıçakçığıl, MD Assist.Prof.
07.10.2008	Tuesday	13:30-14:20	Approach to the patient with hypertensive disorders	Gülçin Kantarcı, MD Assoc.Prof.
		14:30-15:20	Approach to the patient with hypertensive disorders	Gülçin Kantarcı, MD Assoc.Prof.
08.10.2008	Wednesday	13:30-14:20	Hypertensive and ischemic nephropathies, renal, renovascular diseases,	Gülçin Kantarcı, MD Assoc.Prof.
		14:30-15:20	Hypertensive disorders in pregnancy	Gülçin Kantarcı, MD Assoc.Prof.
09.10.2008	Thursday	13:30-14:20	Approach to abdominal pain	Yusuf Ziya Erzin, MD Assist.Prof.
		14:30-15:20	Ascites	Cengiz Pata, MD Assoc.Prof.
10.10.2008	Friday	13:30-14:20	Approach to the patient with dyspepsia	Cengiz Pata, MD Assoc.Prof.
		14:30-15:20	Diarrhea	Yusuf Ziya Erzin, MD Assist.Prof.
13.10.2008	Monday	13:30-14:20	FOREIGN BODY OF GIS	Yusuf Ziya Erzin, MD Assist.Prof.
		14:30-15:20	Cirrhosis And Hepatic Coma	Cengiz Pata, MD Assoc.Prof.
14.10.2008	Tuesday	13:30-14:20	Liver Enzyme Disorder	Cengiz Pata, MD Assoc.Prof.
		14:30-15:20	Chronic Hepatitis	Cengiz Pata, MD Assoc.Prof.
15.10.2008	Wednesday	13:30-14:20	Constipation	Cengiz Pata, MD Assoc.Prof.
		14:30-15:20	Gastrointestinal bleeding	Cengiz Pata, MD Assoc.Prof.
16.10.2008	Thursday	13:30-14:20	Dysphagia	Yusuf Ziya Erzin, MD Assist.Prof.
		14:30-15:20	Approach to the patient with connective tissue diseases-	Müge Bıçakçığıl, MD Assist.Prof.
17.10.2008	Friday	13:30-14:20	Approach to the patient with electrolyte disorders	Gülçin Kantarcı, MD Assoc.Prof.
		14:30-15:20	Approach to the patient with acid-base disorders	Gülçin Kantarcı, MD Assoc.Prof.
20.10.2008	Monday	13:30-14:20	Acute complications of diabetes mellitus	Hasan Aydın, MD Assist.Prof.
		14:30-15:20	Chronic complications of diabetes mellitus	Hasan Aydın, MD Assist.Prof.
21.10.2008	Tuesday	13:30-14:20	Drug interaction	Sunay Sandıkçı, MD Prof.
		14:30-15:20	Sepsis ve septic shock	Sibel Temür Sakınmaz, MD Assoc.Prof.
22.10.2008	Wednesday	13:30-14:20	Treatment of diabetes mellitus	Hasan Aydın, MD Assist.Prof.
		14:30-15:20	Splenomegaly and lymphadenopathies	Sunay Sandıkçı, MD Prof.
23.10.2008	Thursday	13:30-14:20	Approach to the patient with acute kidney injury	Gülçin Kantarcı, MD Assoc.Prof.
		14:30-15:20	Approach to the patient with acute kidney injury	Gülçin Kantarcı, MD Assoc.Prof.
24.10.2008	Friday	13:30-14:20	Infectious diseases emergencies	Ayşe Sesin Kocagöz, MD Prof.
		14:30-15:20	Infectious diseases emergencies	Ayşe Sesin Kocagöz, MD Prof.
27.10.2008	Monday	13:30-14:20	Hypoparathyroidism	Hasan Aydın, MD Assist.Prof.

		14:30-15:20	Hyperparathyroidism	Hasan Aydın, MD Assist.Prof.
28.10.2008	Tuesday	13:30-14:20	Introduction to clinical oncology ...	Başak Oyan Uluç, MD Assoc.Prof.
		14:30-15:20	Principles of chemotherapy and complications...	Başak Oyan Uluç, MD Assoc.Prof.
30.10.2008	Thursday	13:30-14:20	Approach to the patient with chronic kidney disease	Gülçin Kantarcı, MD Assoc.Prof.
		14:30-15:20	Approach to the patient with chronic kidney disease	Gülçin Kantarcı, MD Assoc.Prof.
31.10.2008	Friday	13:30-14:20	Metabolic syndrome	Sunay Sandıkçı, MD Prof.
		14:30-15:20	Therapeutic approach to AIDS and related opportunistic disorders	Ayşe Sesin Kocagöz, MD Prof.
03.11.2008	Monday	13:30-14:20	Cushing's syndrome	Hasan Aydın, MD Assist.Prof.
		14:30-15:20	Oncologic emergencies	Başak Oyan Uluç, MD Assoc.Prof.
04.11.2008	Tuesday	13:30-14:20	Approach to elderly patients	Sunay Sandıkçı, MD Prof.
		14:30-15:20	Approach to elderly patients	Sunay Sandıkçı, MD Prof.
05.11.2008	Wednesday	13:30-14:20	Tumor markers	Başak Oyan Uluç, MD Assoc.Prof.
		14:30-15:20	Endocrine hypertension	Hasan Aydın, MD Assist.Prof.
06.11.2008	Thursday	13:30-14:20	Colorectal cancer	Başak Oyan Uluç, MD Assoc.Prof.
		14:30-15:20	Approach ach to the patient with hemoragic diathesis	Sunay Sandıkçı, MD Prof.
07.11.2008	Friday	13:30-14:20	Approach to the patients with lymphoproliferative disorders	Başak Oyan Uluç, MD Assoc.Prof.
		14:30-15:20	Transfusion indications and reactions	Meral Sönmezoğlu, MD Assoc.Prof.
10.11.2008	Monday	13:30-14:20	Hospital İnfections	Meral Sönmezoğlu, MD Assoc.Prof.
		14:30-15:20	Adrenal insufficiency	Hasan Aydın, MD Assist.Prof.
11.11.2008	Tuesday	13:30-14:20	Stem cell transplantation	Başak Oyan Uluç, MD Assoc.Prof.
		14:30-15:20	Approach to the patients with cytopenia	Sunay Sandıkçı, MD Prof.
12.11.2008	Wednesday	13:30-14:20	Daignosis and management of hypercoagulopathy	Sunay Sandıkçı, MD Prof.
		14:30-15:20	Metabolic bone disease	Hasan Aydın, MD Assist.Prof.
13.11.2008	Thursday	13:30-14:20	LUNG CANCER	Başak Oyan Uluç, MD Assoc.Prof.
		14:30-15:20	Breast cancer	Başak Oyan Uluç, MD Assoc.Prof.
14.11.2008	Friday	13:30-14:20		
		14:30-15:20		
17.11.2008	Monday	13:30-14:20		
		14:30-15:20		
18.11.2008	Tuesday	13:30-14:20		
		14:30-15:20		
19.11.2008	Wednesday	13:30-14:20		
		14:30-15:20		
20.11.2008	Thursday	13:00-13:50	Written Exam	
		14:00-14:50		
21.11.2008	Friday	13:00-13:50	Oral Exam	
		14:00-14:50		

**HAYDARPAŞA NUMUNE TRAINING AND RESEARCH HOSPITAL
INTERNAL MEDICINE PRACTICAL LESSONS EDUCATIONAL PROGRAM**

01.09.2008- 21.11.2008

01.09.2008	
08:00 – 10:00	Visit at patient's bedside
10:00 – 11:00	Clinical practice and training: History taking-1
11:00 – 12:00	Clinical practice and training: History taking-2

02.09.2008	
08:00 – 10:00	Visit at patient's bedside
10:00 – 11:00	Clinical practice and training: General assessment-1
11:00 – 12:00	Clinical practice and training: General assessment-2

03.09.2008	
08:00 – 10:00	Visit at patient's bedside
10:00 – 11:00	Clinical practice and training: Head and neck examination
11:00 – 12:00	Clinical practice and training: Examination of the chest-1

04.09.2008	
08:00 – 10:00	Visit at patient's bedside
10:00 – 11:00	Clinical practice and training: Examination of the chest-2
11:00 – 12:00	Clinical practice and training: Examination of the chest-3

05.09.2008	
08:00 – 10:00	Visit at patient's bedside
10:00 – 11:00	Clinical practice and training: Examination of the chest-4
11:00 – 12:00	Clinical practice and training: Approach to the patient with cough

08.09.2008	
08:00 – 10:00	Visit at patient's bedside
10:00 – 11:00	Clinical practice and training: Approach to the patient with edema
11:00 – 12:00	Clinical practice and training: Noncardiyac chest pain

09.09.2008	
08:00 – 10:00	Visit at patient's bedside
10:00 – 11:00	Clinical practice and training: Mental examination
11:00 – 12:00	Clinical practice and training: Evaluation of the patient with hemoptysis

10.09.2007	
08:00 – 10:00	Visit at patient's bedside
10:00 – 11:00	Clinical practice and training: Approach to the pleural effusion
11:00 – 12:00	Clinical practice and training: Approach to the patient with dyspnea

11.09.2008	
08:00 – 10:00	Visit at patient's bedside
10:00 – 11:00	Clinical practice and training: Approach to the patient with asthma
11:00 – 12:00	Clinical practice and training: Approach to the patient with chronic obstructive lung disease and other obstructive lung diseases

12.09.2008	
08:00 – 10:00	Visit at patient's bedside
10:00 – 11:00	Clinical practice and training: Approach to the patient with restrictive lung disease
11:00 – 12:00	Clinical practice and training: Main principals of the treatment of tuberculosis

15.09.2008	
08:00 – 10:00	Visit at patient's bedside
10:00 – 11:00	Clinical practice and training: Clinical anatomy and physiology of the heart
11:00 – 12:00	Clinical practice and training: Peripheral artery and vein exam, blood pressure measurement

16.09.2008	
08:00 – 10:00	Visit at patient's bedside
10:00 – 11:00	Clinical practice and training: Inspection and palpation of the precordium
11:00 – 12:00	Clinical practice and training: Cardiac auscultation-1

17.09.2007	
08:00 – 10:00	Visit at patient's bedside
10:00 – 11:00	Clinical practice and training: Cardiac auscultation-2
11:00 – 12:00	Clinical practice and training: Cardiac auscultation-3

18.09.2008	
08:00 – 10:00	Visit at patient's bedside
10:00 – 11:00	Clinical practice and training: Symptoms in cardiology-1
11:00 – 12:00	Clinical practice and training: Symptoms in cardiology-2

19.09.2008	
08:00 – 10:00	Visit at patient's bedside
10:00 – 11:00	Clinical practice and training: Symptoms in cardiology-3
11:00 – 12:00	Clinical practice and training: Approach to the patient with ischemic chest pain

22.09.2008	
08:00 – 10:00	Visit at patient's bedside
10:00 – 11:00	Clinical practice and training: Basic principals of ECG-1
11:00 – 12:00	Clinical practice and training: Basic principals of ECG-2

23.09.2008	
08:00 – 10:00	Visit at patient's bedside
10:00 – 11:00	Clinical practice and training: ECG: Atrial and ventricular hypertrophy
11:00 – 12:00	Clinical practice and training: ECG: Ischemia, injury, necrosis

24.09.2008	
08:00 – 10:00	Visit at patient's bedside
10:00 – 11:00	Clinical practice and training: ECG: Ectopic beats
11:00 – 12:00	Clinical practice and training: ECG: Arrhythmias-1

25.09.2008	
08:00 – 10:00	Visit at patient's bedside
10:00 – 11:00	Clinical practice and training: ECG: Arrhythmias-2
11:00 – 12:00	Clinical practice and training: Introduction to the cardiac radiology

26.09.2008	
08:00 – 10:00	Visit at patient's bedside
10:00 – 11:00	Clinical practice and training: Approach to the patient with rheumatic valve disease1
11:00 – 12:00	Clinical practice and training: Approach to the patient with rheumatic valve disease2

06.10.2008	
08:00 – 10:00	Visit at patient's bedside
10:00 – 11:00	Clinical practice and training: Approach to the patient with acute and chronic cardiac insufficiency-1
11:00 – 12:00	Clinical practice and training: Approach to the patient with acute and chronic cardiac insufficiency-2

07.10.2008	
08:00 – 10:00	Visit at patient's bedside
10:00 – 11:00	Clinical practice and training: History taking and physical examination: Disease of the liver and the bile duct-1
11:00 – 12:00	Clinical practice and training: History taking and physical examination: Disease of the liver and the bile duct-2

08.10.2007	
08:00 – 10:00	Visit at patient's bedside
10:00 – 11:00	Clinical practice and training: Laboratory: Disease of the liver and the bile duct
11:00 – 12:00	Clinical practice and training: Imaging: Disease of the liver and the bile duct

09.10.2008	
08:00 – 10:00	Visit at patient's bedside
10:00 – 11:00	Clinical practice and training: Approach to the patient with abnormal liver function tests
11:00 – 12:00	Clinical practice and training: History taking : Disorders of the digestive system-1

10.10.2008	
08:00 – 10:00	Visit at patient's bedside
10:00 – 11:00	Clinical practice and training: History taking : Disorders of the digestive system-2
11:00 – 12:00	Clinical practice and training: Physical examination of the abdomen-1

13.10.2008	
08:00 – 10:00	Visit at patient's bedside
10:00 – 11:00	Clinical practice and training: Physical examination of the abdomen-2
11:00 – 12:00	Clinical practice and training: Approach to the patient with ascities

14.10.2008	
08:00 – 10:00	Visit at patient's bedside
10:00 – 11:00	Clinical practice and training: Approach to the patient with dysphagia
11:00 – 12:00	Clinical practice and training: Approach to the patient with acute abdomen

15.10.2008	
08:00 – 10:00	Visit at patient's bedside
10:00 – 11:00	Clinical practice and training: Approach to the patient with nausea and vomiting
11:00 – 12:00	Clinical practice and training: Approach to the patient with diarrhea

16.10.2008	
08:00 – 10:00	Visit at patient's bedside
10:00 – 11:00	Clinical practice and training: Approach to the patient with jaundice
11:00 – 12:00	Clinical practice and training: Approach to the patient with constipation, fecal incontinence or meteorism

17.10.2008	
08:00 – 10:00	Visit at patient's bedside
10:00 – 11:00	Clinical practice and training: Approach to the patient with abdominal mass or rectal mass
11:00 – 12:00	Clinical practice and training: Approach to the patient with gastrointestinal bleeding

20.10.2008	
08:00 – 10:00	Visit at patient's bedside
10:00 – 11:00	Clinical practice and training: Approach to the patient with complications of chronic hepatic disease-1
11:00 – 12:00	Clinical practice and training: Approach to the patient with complications of chronic hepatic disease-2

21.10.2008	
08:00 – 10:00	Visit at patient's bedside
10:00 – 11:00	Clinical practice and training: History taking and Physical examination in infectious diseases
11:00 – 12:00	Clinical practice and training: Evaluation of the patient with fever

22.10.2008	
08:00 – 10:00	Visit at patient's bedside
10:00 – 11:00	Clinical practice and training: General approach to the nazocomial infections
11:00 – 12:00	Clinical practice and training: Evaluation of the patient with fever of unknown origin

23.10.2008	
08:00 – 10:00	Visit at patient's bedside
10:00 – 11:00	Clinical practice and training: History taking: Hematopoietic system disorders
11:00 – 12:00	Clinical practice and training: Physical examination: Hematopoietic system disorders

24.10.2008	
08:00 – 10:00	Visit at patient's bedside
10:00 – 11:00	Clinical practice and training: Hematopoiesis and bone marrow evaluation
11:00 – 12:00	Clinical practice and training: Evaluation of the peripheral blood

27.10.2008	
08:00 – 10:00	Visit at patient's bedside
10:00 – 11:00	Clinical practice and training: Definition, treatment and prophylacty of venous thromboembolism
11:00 – 12:00	Clinical practice and training: Approach to the diathesis of bleeding

28.10.2008	
08:00 – 10:00	Visit at patient's bedside
10:00 – 11:00	Clinical practice and training: Approach to the patient with anemia
11:00 – 12:00	Clinical practice and training: Approach to the patient with cytophenia

30.10.2008	
08:00 – 10:00	Visit at patient's bedside
10:00 – 11:00	Clinical practice and training: Approach to the patient with elevated blood parameters
11:00 – 12:00	Clinical practice and training: Endications of blood transfusions and clinical approach to the transfusion reactions

31.10.2008	
08:00 – 10:00	Visit at patient's bedside
10:00 – 11:00	Clinical practice and training: History taking and physical examination in kidney disease
11:00 – 12:00	Clinical practice and training: Urinalysis

03.11.2008	
08:00 – 10:00	Visit at patient's bedside
10:00 – 11:00	Clinical practice and training: Clinical approach to the patients with oliguria and poliuria
11:00 – 12:00	Clinical practice and training: Clinical approach to the patient with hematuria

04.11.2008	
08:00 – 10:00	Visit at patient's bedside
10:00– 11:00	Clinical practice and training: Clinical approach to the patient with proteinuria and nephrotic syndrome
11:00 – 12:00	Clinical practice and training: Clinical approach to the acute renal failure

05.11.2008	
08:00 – 10:00	Visit at patient's bedside
10:00– 11:00	Clinical practice and training: Clinical approach to the patient with chronic renal failure
11:00– 12:00	Clinical practice and training: Clinical approach to the patient with imbalance of sodium metabolism

06.11.2008	
08:00 – 10:00	Visit at patient's bedside
10:00 – 11:00	Clinical practice and training: Clinical approach to the patient with imbalance of potassium metabolism
11:00 – 12:00	Clinical practice and training: Clinical approach to the patient with imbalance of acid-alkali metabolism

07.11.2008	
08:00 – 10:00	Visit at patient's bedside
10:00 – 11:00	Clinical practice and training: History taking and physical examination in geriatric patients
11:00 – 12:00	Clinical practice and training: Main principals of medication in geriatric patients

10.11.2008	
08:00 – 12:00	Visit at patient's bedside
13:00 – 14:00	Clinical practice and training: History taking and physical examination in rheumatology
14:00 – 15:00	Clinical practice and training: Approach to the patient with arthritis

11.11.2008	
08:00 – 10:00	Visit at patient's bedside
10:00 – 11:00	Clinical practice and training: Explanation of the laboratory findings in rheumatology
11:00 – 12:00	Clinical practice and training: Approach to the patient with lomber pain

12.11.2008	
08:00 – 10:00	Visit at patient's bedside
10:00 – 11:00	Clinical practice and training: Treatment of rheumatoid arthritis
11:00 – 12:00	Clinical practice and training: Differential diagnosis and treatment of collagen tissue disorders

13.11.2008	
08:00 – 10:00	Visit at patient's bedside
10:00 – 11:00	Clinical practice and training: Approach to the patient with spondyloarthropatie
11:00 – 12:00	Clinical practice and training: Differential diagnosis and treatment of vasculitic syndromes

14.11.2008	
08:00 – 10:00	Visit at patient's bedside
10:00 – 11:00	Clinical practice and training: Semeiology of endocrinology
11:00 – 12:00	Clinical practice and training: Physical examination of diabetic patient

15.11.2008	
08:00 – 10:00	Visit at patient's bedside
10:00 – 11:00	Clinical practice and training: Approach to the patient with elevated blood sugar-1
11:00 – 12:00	Clinical practice and training: Approach to the patient with elevated blood sugar-2

14.11.2008	
08:00 – 10:00	Visit at patient's bedside
10:00 – 11:00	Clinical practice and training: Approach to the patient with low blood sugar.
11:00 – 12:00	Clinical practice and training: Main principals of clinical follow-up of diabetic patients

17.11.2008	
08:00-10:00	Visit at patient's bedside
10:00 –11:00	Clinical practice and training: Approach to the patient with lymphadenopathie
11:00 –12:00	Clinical practice and training: Scanning tests and early diagnosis in oncology

18.11.2008	
08:00-10:00	Visit at patient's bedside
10:00 11:00	Clinical practice and training: Approach to the critically ill patient, indications of patient admission to the intensive care unit
11:00 12:00	Clinical practice and training: Shock and multi-system deficiency

19.11.2008	
08:00-10:00	Visit at patient's bedside
10:00-11:00	Clinical practice and training: Cardiopulmonary resuscitacion-1
11:00-12:00	Clinical practice and training: Cardiopulmonary resuscitacion -2

20.11.2008	
NO CLASS WRITTEN EXAM	

21.11.2008	
PRACTICAL EXAMINATION	

PS: The students must attend to Education Lectures of Department of Internal Medicine at 11 am on Tuesday.

*CHILD HEALTH
AND
PEDIATRICS
(9 Weeks)*

PHASE IV

LÜTFİ KIRDAR KARTAL TRAINING AND RESEARCH HOSPITAL PEDIATRICS LECTURE PROGRAMME GROUP A (24.11.2008-23.01.2009)

AIM

The aims of the clerkship are;

- Get experienced in history taking, improve their skill in physical examination,
- Learn the normal developmental phases during newborn, infancy and, childhood,
- Gain experience in the developmental delays and disorders,
- Get experience in common childhood diseases,
- Learn the clinical symptoms and signs of common diseases,
- Diagnose and treat common childhood diseases,
- Learn which diseases should be referred to the specialized centers,
- Learn the emergency treatment of common disorders,

OBJECTIVES

A. In this clerkship, the student must learn how to carry out and/or evaluate the followings

- Take a detailed, relevant history of the child and his/her family,
- Perform a detailed systematic physical examination of the child or neonate correctly, keeping in mind the special features according to the age of patient,
- Assess the physical-motor-mental development of a healthy child,
- Assess the anthropometric evaluation in proper techniques and use percentile charts,
- Perform intravenous, intramuscular, subcutaneous injections, obtain blood, vaccinate children,
- Resuscitation of neonates and children,
- Obtaining pharyngeal swab, faecal, urine cultures,
- Evaluation of peripheral blood smear,
- Evaluation of urine test and sediments,
- Assess arterial blood gas,
- Assess complete blood count,
- Evaluation of pediatric ECG
- Evaluation of serum electrolyte, renal function tests, hepatic function tests and thyroid function tests,
- Assess chest X-rays
- Care of the umbilicus in newborn,

B. In this Clerkship, the student must learn how to perform and evaluate the followings.

- Perform a lumbar puncture,
- Analyse and evaluate the cerebrospinal fluid,
- Otosopic and ophthalmoscopic evaluation,
- Search occult blood in the stool,
- Microscopic examination of stool,
- Insertion of urethral catheter,
- Insertion of nasogastric catheter,
- Thoracentesis,
- Use a nebuliser,
- Apply and evaluate results of pulse oximeter,
- Use a cardiac monitor and obtain an ECG,
- Measure blood sugar with a Glycometer,
- Apply and follow up phototherapy,
- Preparing a pedigree,

C. In this Clerkship, students should observe and become familiar with the followings.

- Bone marrow aspiration,
- Paracentesis,
- Exchange transfusion,
- Pulmonary fuction tests,
- Intraarticular intervention
- Liver, renal and rectal biopsies,
- Diagnostic and therapeutic endoscopy,
- Echocardiaography,
- Cardiac catheterisation,
- Application of prick test
- Endocrinological provocation and inhibition tests,
- Nasal smear,
- 24 hour pH monitoring and reflux tests,
- GI motility,

D. By the and of the Clerkship, students are expected to have assimilated the principles of the followings.

- Respect for patient rights and well-balanced relations with the patients' relatives
- Maintain good relations with collagues and teaching staff,be analytical and research orientated,
- Maintain good relations with other health staff
- How to ask for a consultation
- Use written and on-line sources correctly
- Give information about the patient's condition clearly to patient and family
- Observe infection control regulations when working on the ward and in the polyclinics

LÜTFİ KIRDAR KARTAL TRAINING AND RESEARCH HOSPITAL PEDIATRICS
LECTURE PROGRAMME GROUP A
(24.11.2008-23.01.2009)

DATE		TIME	LECTURE	Lecturer
24.11.2008	Monday	13:00-13:50	Introduction to Pediatrics, history taking and physical examination	A.Vitrinel
		14:00-14:50	Neurological examination	A.Vitrinel
25.11.2008	Tuesday	11:00-11:50	Cardiovascular system examination	G.Ç.Erdağ
		14:00-14:50	Electrocardiographic principles	G.Ç.Erdağ
26.11.2008	Wednesday	13:00-13:50	Gastrointestinal and genitourinary system examination	T.Ağzıkuru
		14:00-14:50	Respiratory system examination	A.Özen
27.11.2008	Thursday	13:00-13:50	Newborn examination	Y.Akın
		14:00-14:50	Prematurity, postmaturity	Y.Akın
28.11.2008	Friday	13:00-13:50	Congenital heart disease	K.Esmer
		14:00-14:50	Congestive heart failure	G.Tokuç
01.12.2008	Monday	13:00-13:50	Nutrition	Y.Akın
		14:00-14:50	Nutrition	Y.Akın
02.12.2008	Tuesday	11:00-11:50	Malnutrition	A.Vitrinel
		14:00-14:50	Malabsorbtion	M.Gülcan
03.12.2008	Wednesday	13:00-13:50	Obesity	P.Boran
		14:00-14:50	Approach to the child with fever	H.Ö.Karatepe
04.12.2008	Thursday	13:00-13:50	Vitamin deficiencies	Y.Akın
		14:00-14:50	Rickets	Y.Akın

05.12.2008	Friday	13:00-13:50	Calcium metabolism hyperparatiroidism, hypoparatiroidism	H.Ercan
		14:00-14:50	Parasitosis	P.Boran
15.12.2008	Monday	13:00-13:50	Growth and development	A.Vitrinel
		14:00-14:50	Growth retardation	A.Vitrinel
16.12.2008	Tuesday	11:00-11:50	Acute gastroenteritis	P.Boran
		14:00-14:50	Introduction to anemia, iron deficiency anemia	G.Tokuç
17.12.2008	Wednesday	13:00-13:50	Immunization principles	A.Vitrinel
		14:00-14:50	Vaccination	A.Vitrinel
18.12.2008	Thursday	13:00-13:50	Non-hemolytic anemias	G.Tokuç
		14:00-14:50	Hemolytic anemias	G.Tokuç
19.12.2008	Friday	13:00-13:50	Disorders of coagulation	G.Tokuç
		14:00-14:50	Disorders of coagulation	G.Tokuç
22.12.2008	Monday	11:00-11:50	Viral paralytic diseases	M.Berber
		13:00-13:50	Fluid and electrolyte disorders	T.Ağzıkuru
		14:00-14:50	Acid-base disorders	T.Ağzıkuru
23.12.2008	Tuesday	10:00-10:50	Tuberculosis	R.Cengizlier
		11:00-11:50	Puberty and pubertal disorders	A.Özen
		14:00-14:50	Adrenal hypofunction	G.Tokuç
24.12.2008	Wednesday	11:00-11:50	Tubulopathies	G.Ç.Erdağ
		13:00-13:50	Urinary tract infections	G.Ç.Erdağ
		14:00-14:50	Hypertension	A.Özen

25.12.2008	Thursday	11:00-11:50	Stroke	A.Vitrinel
		13:00-13:50	Acute glomerulonephritis	S.Sadıkoğlu
		14:00-14:50	Nephrotic syndrome	S.Sadıkoğlu
26.12.2008	Friday	13:00-13:50	Acute renal failure	G.Tokuç
		14:00-14:50	Chronic renal failure	G.Tokuç
29.12.2008	Monday	13:00-13:50	Upper Respiratory Tract Infection	R.Cengizlier
		14:00-14:50	Lower Respiratory Tract Infection	R.Cengizlier
30.12.2008	Tuesday	10:00-10:50	Approach to the patient with convulsion	M.Berber
		11:00-11:50	Lymphadenopathy	G.Tokuç
		14:00-14:50	Abdominal mass	G.Tokuç
31.12.2008	Wednesday	13:00-13:50	Maculopapular-vesicular diseases	A.Vitrinel
		14:00-14:50	Tetanus, diphteria, mumps	A.Vitrinel
02.01.2009	Friday	13:00-13:50	Hepatitis	M.Gülcan
		14:00-14:50	Hepatitis	M.Gülcan
05.01.2009	Monday	13:00-13:50	Diabetes Mellitus	G.Tokuç
		14:00-14:50	Diabetes Mellitus	G.Tokuç
06.01.2009	Tuesday	11:00-11:50	Chromosomal diseases	A.Özen
		14:00-14:50	Shock	T.Ağzıkuru
07.01.2009	Wednesday	13:00-13:50	Abdominal pain and peptic diseases, H.pylori infection	M.Gülcan
		14:00-14:50	Inflammatory bowel diseases	M.Gülcan
08.01.2009	Thursday	13:00-13:50	Connective Tissue Diseases	G.Tokuç
		14:00-14:50	Vasculitic Syndromes	G.Tokuç

09.01.2009	Friday	13:00-13:50	Wheezy infant	R.Cengizlier
		14:00-14:50	Asthma	R.Cengizlier
12.01.2009	Monday	13:00-13:50	Neonatal Hyperbilirubinemia	F.Tiker
		14:00-14:50	Respiratory Distress Syndrome	F.Tiker
13.01.2009	Tuesday	11:00-11:50	Urticaria, atopic dermatitis	R.Cengizlier
		14:00-14:50	Inborn Errors of Metabolism	G.Ç.Erdağ
14.01.2009	Wednesday	13:00-13:50	Intoxication	T.Ağzıkuru
		14:00-14:50	Cirrhosis, portal hypertension	M.Gülcan
15.01.2009	Thursday	13:00-13:50	Infective Endocarditis	A.Özen
		14:00-14:50	Blood transfusions and complications	G.Tokuç
16.01.2009	Friday	13:00-13:50	Acute rheumatic fever	A.Vitrinel
		14:00-14:50	Diseases of myocardium and pericardium	H.Ercan
19.01.2009	Monday	13:00-13:50	Thyroid disorders and Congenital hypothyroidism	F.Tiker
		14:00-14:50	Neonatal infections	F.Tiker
20.01.2009	Tuesday	11:00-11:50	Hematological and metabolic disorders in newborn	H.Ö.Karatepe
		14:00-14:50	Neonatal convulsions	M.Berber
21.01.2009	Wednesday	13:00-13:50	Free Working Hour	
		14:00-14:50	Free Working Hour	
22.01.2009	Thursday	09:00	Written Exam	
23.01.2009	Friday	09:00	Oral Exam	

**LÜTFİ KIRDAR KARTAL TRAINING AND RESEARCH HOSPITAL PEDIATRICS
LECTURE PROGRAMME**

**GROUP B
(26.01.2009-27.03.2009)**

DATE		TIME	LECTURE	Lecturer
26.01.2009	Monday	13:00-13:50	Introduction to Pediatrics, history taking and physical examination	A.Vitrinel
		14:00-14:50	Neurological examination	A.Vitrinel
27.01.2009	Tuesday	11:00-11:50	Cardiovascular system examination	G.Ç.Erdağ
		14:00-14:50	Electrocardiographic principles	G.Ç.Erdağ
28.01.2009	Wednesday	13:00-13:50	Gastrointestinal and genitourinary system examination	T.Ağzıkuru
		14:00-14:50	Respiratory system examination	A.Özen
29.01.2009	Thursday	13:00-13:50	Newborn examination	Y.Akın
		14:00-14:50	Prematurity, postmaturity	Y.Akın
30.01.2009	Friday	13:00-13:50	Congenital heart disease	K.Esmer
		14:00-14:50	Congestive heart failure	G.Tokuç
02.02.2009	Monday	13:00-13:50	Nutrition	Y.Akın
		14:00-14:50	Nutrition	Y.Akın
03.02.2009	Tuesday	11:00-11:50	Malnutrition	A.Vitrinel
		14:00-14:50	Malabsorption	M.Gülcan
04.02.2009	Wednesday	13:00-13:50	Obesity	P.Boran
		14:00-14:50	Approach to the child with fever	H.Ö.Karatepe
05.02.2009	Thursday	13:00-13:50	Vitamin deficiencies	Y.Akın
		14:00-14:50	Rickets	Y.Akın

06. 02. 2009	Friday	13:00-13:50	Calcium metabolism hyperparatiroidism, hypoparatiroidism	H.Ercan
		14:00-14:50	Parasitosis	P.Boran
09. 02. 2009	Monday	13:00-13:50	Growth and development	A.Vitrinel
		14:00-14:50	Growth retardation	A.Vitrinel
10. 02. 2009	Tuesday	14:00-14:50	Introduction to anemia, iron deficiency anemia	G.Tokuç
11. 02. 2009	Wednesday	13:00-13:50	Immunization principles	A.Vitrinel
		14:00-14:50	Vaccination	A.Vitrinel
12. 02. 2009	Thursday	13:00-13:50	Non-hemolytic anemias	G.Tokuç
		14:00-14:50	Hemolytic anemias	G.Tokuç
13. 02. 2009	Friday	13:00-13:50	Disorders of coagulation	G.Tokuç
		14:00-14:50	Disorders of coagulation	G.Tokuç
16.02.2009	Monday	13:00-13:50	Fluid and electrolyte disorders	T.Ağzıkuru
		14:00-14:50	Acid-base disorders	T.Ağzıkuru
17.02.2009	Tuesday	14:00-14:50	Tubulopathies	G.Ç.Erdağ
18.02.2009	Wednesday	13:00-13:50	Urinary tract infections	G.Ç.Erdağ
		14:00-14:50	Hypertension	A.Özen
19.02.2009	Thursday	13:00-13:50	Acute glomerulonephritis	S.Sadıkoğlu
		14:00-14:50	Nephrotic syndrome	S.Sadıkoğlu
20. 02. 2009	Friday	13:00-13:50	Acute renal failure	G.Tokuç
		14:00-14:50	Chronic renal failure	G.Tokuç

23.02.2009	Monday	13:00-13:50	Upper Respiratory Tract Infection	R.Cengizlier
		14:00-14:50	Lower Respiratory Tract Infection	R.Cengizlier
24.02.2009	Tuesday	14:00-14:50	Abdominal mass	G.Tokuç
25.02.2009	Wednesday	13:00-13:50	Maculopapular-vesicular diseases	A.Vitrinel
		14:00-14:50	Tetanus, diphtheria, mumps	A.Vitrinel
26.02.2009	Thursday	13:00-13:50	Hepatitis	M.Gülcan
		14:00-14:50	Hepatitis	M.Gülcan
27.02.2009	Friday	13:00-13:50	Diabetes Mellitus	G.Tokuç
		14:00-14:50	Diabetes Mellitus	G.Tokuç
02.03.2009	Monday	13:00-13:50	Shock	T.Ağzıkuru
		14:00-14:50	Lymphadenopathy	G.Tokuç
03.03.2009	Tuesday	14:00-14:50	Blood transfusions and complications	G.Tokuç
04.03.2009	Wednesday	13:00-13:50	Connective Tissue Diseases	G.Tokuç
		14:00-14:50	Vasculitic Syndromes	G.Tokuç
05.03.2009	Thursday	13:00-13:50	Wheezy infant	R.Cengizlier
		14:00-14:50	Asthma	R.Cengizlier
06.03.2009	Friday	13:00-13:50	Neonatal Hyperbilirubinemia	F.Tiker
		14:00-14:50	Respiratory Distress Syndrome	F.Tiker
09.03.2009	Monday	13:00-13:50	Urticaria, atopic dermatitis	R.Cengizlier
		14:00-14:50	Inborn Errors of Metabolism	G.Ç.Erdağ
10.03.2009	Tuesday	14:00-14:50	Cirrhosis, portal hypertension	M.Gülcan

11.03.2009	Wednesday	13:00-13:50	Abdominal pain and peptic diseases, H.pylori infection	M.Gülcan
		14:00-14:50	Inflammatory bowel diseases	M.Gülcan
12.03.2009	Thursday	13:00-13:50	Acute rheumatic fever	A.Vitrinel
		14:00-14:50	Diseases of myocardium and pericardium	H.Ercan
13.03.2009	Friday	13:00-13:50	Thyroid disorders and Congenital hypothyroidism	F.Tiker
		14:00-14:50	Neonatal infections	F.Tiker
16.03.2009	Monday	13:00-13:50	Hematological and metabolic disorders in newborn	H.Ö.Karatepe
		14:00-14:50	Neonatal convulsions	M.Berber
17.03.2009	Tuesday	14:00-14:50	Tuberculosis	R.Cengizlier
18.03.2009	Wednesday	13:00-13:50	Approach to the patient with convulsion	M.Berber
		14:00-14:50	Viral paralytic diseases	M.Berber
19.03.2009	Thursday	13:00-13:50	Acute gastroenteritis	P.Boran
		14:00-14:50	Stroke	A.Vitrinel
20.03.2009	Friday	13:00-13:50	Intoxication	T.Ağzıkuru
		14:00-14:50	Infective Endocarditis	A.Özen
23.03.2009	Monday	13:00-13:50	Chromosomal diseases	A.Özen
		14:00-14:50	Puberty and pubertal disorders	A.Özen
24.03.2009	Tuesday	14:00-14:50	Adrenal hypofunction	G.Tokuç
25.03.2009	Wednesday	13:00-13:50	Free Working Hour	
		14:00-14:50	Free Working Hour	

PHASE IV

26.03.2009	Thursday	09:00	Written Exam	
27.03.2009	Friday	09:00	Oral Exam	

Daily Program

08 ⁰⁰ -12 ⁰⁰	Clinical practise and training at patient bedside
13 ⁰⁰ -15 ⁰⁰	Lecture 1 and 2
15 ⁰⁰ -16 ⁰⁰	Clinical practice and bedside training
15 ⁰⁰ -16 ⁰⁰	Night shift, clinical practice at Emergency Department

GROUPS

1. OUTPATIENT	2. OUTPATIENT	ER	INFECTION	NEONATAL	ONCOLOGY	1. INPATIENT	2. INPATIENT
C1	C2	C3	D1	D2	D3		
C2	C3	C1	D2	D3	D1		
C3	C1	C2	D3	D1	D2		
A1	A2	A3	B1	B2	B3		
A2	A3	A1	B2	B3	B1		
A3	A1	A2	B3	B1	B2		
D1	D2	D3	C1	C2	C3		
D2	D3	D1	C2	C3	C1		
D3	D1	D2	C3	C1	C2		
B1	B2	B3	A1	A2	A3		
B2	B3	B1	A2	A3	A1		
B3	B1	B2	A3	A1	A2		
C			D			A	B
A			B			C	D
D			C			B	A
B			A			D	C

GENERAL SURGERY
(6 Weeks)

**HAYDARPAŞA NUMUNE TRAINING AND RESEARCH HOSPITAL
GENERAL SURGERY**

List of lecturers and intructors

İzzet Titiz, MD
Neşet Köksal, MD
Yılmaz User, MD
Abdullah Sağlam, MD
Ümit Topaloğlu, MD
Osman Krand, MD
İbrahim Berber, MD
Melih Kara, MD
Gürkan Tellioğlu, MD
Leyla Zer Özel, MD
Ferhat Göçer, MD
Ediz Altınlı, MD
Mehmet Ali Uzun , MD
Atilla Çelik, MD
Münire Kayhan, MD
Ömer Faruk Özkan, MD
Metin Tilki, MD
Alper Poyraz, MD
Nurtaç Aydın, MD
Handan Tarnrıkulu, MD
Günay Gürleyik, MD
Tolga Müftüoğlu, MD
Mehmet Odabaşı, MD
Ali Aktekin, MD
Hüseyin Pekcan, MD
Ender Dulundu, MD
Erkan Özkan, MD
Yahya Özel, MD
Mehmet Kamil Yıldız, MD

Yeditepe Medical School Phase 4 General Surgery
Lectures
(Course definitions)

1. 1 Obstructive jaundice
 - The causes of obstruction
 - The differential diagnosis of obstruction
 - Surgical treatment indications
 - Surgical treatment options
 - Long term results of treatment methods

1. 2 Acute appendicitis
 - Etiology
 - Pathophysiology
 - Diagnosis
 - Treatment

1. 3 Hydatid disease of liver – Liver abscess and tumors
 - Etiology of hydatid disease
 - Diagnosis of hydatid disease
 - Treatment options of hydatid disease

 - Importance and etiology of liver abscess (routes of dissemination, microbiology)
 - Diagnosis of liver abscess
 - Treatment options of liver abscess

 - Etiology and epidemiology of liver tumors
 - Staging of liver tumors
 - Diagnostic workup
 - Surgical therapy
 - Recent treatment alternatives

1. 4 Pancreatitis
 - Acute pancreatitis
 - Etiology
 - Pathophysiology – Grading – Mortality figures
 - Diagnosis – diagnostic pitfalls
 - Complications
 - Therapeutic options
 - Surgical intervention indications

- Chronic pancreatitis
- Etiology
- Pathophysiology
- Diagnosis and treatment

1. 5 Periapillary malignancies

- Etiology
- Classification
- Diagnosis
- Prognosis
- Therapeutic options
- Longterm results

1. 6 Physical examinations in surgery

- History taking
- Signs and symptoms relevant in surgery
- Systemic examination
- Local and organ-specific examination

1. 7 Fluid and electrolyte therapy

- Composition of body fluids
- Alterations in the fluid compartments
- Therapy of electrolyte derangements
- Therapeutic implications of fluid and electrolyte administration
- Acid-base disorders

1. 8 Gastrointestinal bleeding – Disorders of coagulation

- Etiology
- Classification
- Emergency measures
- Diagnosis
- Specific measures
- Surgical methods

- Coagulation mechanism
- Circulating anticoagulants
- Hypercoagulable states
- Bleeding disorders due to thrombocyte pathologies
- Bleeding disorders due to coagulation cascade abnormalities (including fibrinolytic syndrome)
- Therapeutic measures and bleeding disorders due to therapy

1. 9 Shock and its treatment

- Homeostasis
- Neurologic, endocrine, cytokin, molecular responses to hypovolemia
- Clinical implication of responses
- Therapeutic measures
- Monitoring the therapeutic measures

1. 10 Septic shock and its treatment

- Etiology of septic shock
- Pathophysiology of sepsis
- Treatment in septic shock
- Monitoring the patient

1. 11 Diseases of the gallbladder and biliary tree

- Anatomy of the biliary tree
- Pathophysiology of gallstone formation
- Gallstone disease
- Therapy options
- Surgical therapy indications

- Malformations of the biliary tree
- Tumors of the biliary tree

1. 12 Acute abdomen – peritonitis

- Etiology
- Symptom and signs
- Laboratory assesment – Imaging
- Therapy

- Anatomy of the peritoneal sac
- Classification of peritonitis
- Etiological spectrum
- Diagnostic measures
- Therapeutic measures

1. 13 Colorectal carcinoma – Anorectal diseases

- Epidemiology and etiology of colorectal carcinoma
- Genetic considerations
- Clinical presentation
- Diagnosis
- Staging

- Therapeutic options and ancillary measures
- Long term results

- Anatomy of anorectum
- Fissura ani
- Hemorrhoidal disease
- Perirectal abscess
- Fistula in ano

1. 14 Hernias

- Definition
- Classification
- Groin hernias
- Clinical findings
- Surgical treatment (including laparoscopy and prosthetic meshes)

- Ventral hernias
- Etiology
- Surgery for ventral hernias
- Prosthetic mesh applications

- Rare hernias

1. 15 Abdominal trauma

- General considerations (Etiology, morbidity, mortality)
- General diagnostic and therapeutic measures outside the emergency department
- Patient triage and transportation
- Hospital phase patient care
 - In the emergency department
 - Injury specific care
- Mass casualties- Catastrophies

1. 16 Diseases of the thyroid gland

- Anatomy
- Inflammatory diseases
- Hyperthyroidism
- Thyroid nodule
- Multinodular goitre
- Neoplasms of the thyroid

1. 17 Diseases of the parathyroid glands

- Anatomy and embryology

- Parathormone
- Primary hyperparathyroidism
 - Metabolic complications
 - Asymptomatic hyperparathyroidism
 - Normocalcemic primary hyperparathyroidism
 - Treatment
 - Recurrent hyperparathyroidism
- Secondary hyperparathyroidism
- Hypoparathyroidism

1. 18 Diseases of the breast

- Anatomy
- Developmental disorders
- Mammography
- Benign breast disorders
 - Fibrocytic disease
 - Fibroadenoma
 - Nipple discharge
- Breast cancer
 - Epidemiology
 - Pathology
 - Surgical therapy and therapy options
 - Adjuant therapy

1. 19 Diseases of the stomach

- Anatomy
- Physiology
- Benign diseases of the stomach
 - Peptic ulcer disease
 - H.Pylori infection and consequences
- Gastric cancer
- Malignant diseases of the stomach other than cancer

1. 20 Surgical infections and soft tissue tumors

- Surgical wound infections
- Prevention and treatment of surgical wound infections
- Soft tissue infections
 - Necrotizing infections
- Tetanus

- Soft tissue tumors
1. 21 Diseases of the esophagus
 - Congenital abnormalities
 - Caustic burns
 - Foreign bodies
 - Perforations
 - Motility disorders
 - Diverticula
 - Hiatus hernia – Gastroesophageal reflux
 - Barret’s esophagus
 - Esophageal varices
 - Tumors
 - Benign tumors
 - Malignant tumors
 1. 22 Transplantation
 - Immunology – Allograft – Organ donation
 - Donor selection
 - Surgical procedures
 - Monitorization of graft function
 1. 23 Intestinal obstruction
 - Definition and classification
 - Etiology
 - Diagnostic measures
 - Therapy options
 1. 24 Disorders of adrenals and spleen
 - Anatomy and physiology of the spleen
 - Trauma and hematologic disorders
 -
 - Tumors of the adrenal glands
 - Adrenal insufficiency
 1. 25 Burns – immediate therapy
 - Etiology
 - Classification
 - Immediate care in the field
 - Transportation
 - Emergency center phase care
 - Wound care

- Fluid therapy
- Complications

Yeditepe Medical School Phase 4 General Surgery
Practice courses
(Course definitions)

2. 1 Abdominal examination
- 2 Surgical instruments
 - General categories of surgical instruments
- 3 Sutures
 - Types of surgical sutures
 - Choices of utilization
- 4 Catheters
 - Types of catheters
 - Maintenance
- 5 Vascular access
 - On patient practice
- 6 Intravenous treatment
 - Practical hints on intravenous fluid therapy
- 7 Patient monitorization
 - Routine and close observation of the patients in non ICU conditions
- 8 Disinfection
- 9 Wound care
 - Routine post operative wound care
 - Care of necrotizing soft tissue infections
 - Care of bed sores
- 10 Diabetic foot
 - Pathogenesis of diabetic foot
 - Care of diabetic foot
- 11 Endoscopy
 - General concept of endoscopy
 - Indications of endoscopy

- Application of endoscopy in the endoscopy unit
 - 12 Blood transfusions
 - Clinical practice and hints on blood transfusion
 - 13 Examination of the trauma patient
 - 14 Management of the trauma patient
 - 13+14
 - General interactive course in the emergency department
 - 15 Biopsy methods
 - Harvesting biopsies especially on outpatient basis
 - 16 Total parenteral and total enteral nutrition
 - Clinical application of TPN and TEN
 - Calculating daily caloric needs
 - Tailoring the fluid administration due to patients' specific conditions
 - 17 Thyroid examination
1. 18 Anorectal examination
 2. 19 Breast examination
 2. 20 Thoracic examination
 2. 21 Forensic examination
 - Hints on examining, recording and reporting criminal cases
 2. 22 Patient transport
 2. 23 Methods of imaging
 - Summarizing the upto date imaging methods of choice
 2. 24 Hernia examination
 2. 25 Management of burn wound
 - Immediate wound care in the emergency department
 - Routine daily burn wound management

PHASE IV

HAYDARPASA NUMUNE TRAINING AND RESEARCH HOSPITAL
GENERAL SURGERY
THEORETICAL EDUCATIONAL PROGRAM

Monday	13:10-15:00	Obstructive Jaundice	Abdullah Sağlam [4]
Tuesday	13:10-15:00	Acute appendicitis	Tolga Müftüoğlu [4]
Wednesday	13:10-15:00	Hydatid disease of liver*- Liver abscess and tumors**	Metin Tilki [3]
Thursday	13:10-15:00	Pancreatitis	Mehmet Odabaşı [4]
Friday	13:10-15:00	Periampullary Malignancies	Abdullah Sağlam [4]
Monday	13:10-15:00	Physical examination of surgery	Günay Gürleyik [4]
Tuesday	13:10-15:00	Fluid and electrolyte therapy	Mehmet Ali Uzun [2]
Wednesday	13:10-15:00	Gastrointestinal bleeding -Disorders of coagulation	Osman Krand [1]
Thursday	13:10-15:00	Shock and its treatment	Yılmaz User [3]
Friday	13:10-15:00	Septic shock and its treatment	Metin Tilki [3]
Monday	13:10-15:00	Diseases of the gallbladder and biliary tree	Yılmaz User [3]
Tuesday	13:10-15:00	Acute abdomen - peritonitis	Ediz Altınlı [2]
Wednesday	13:10-15:00	Colorectal carcinoma - Anorectal Diseases	Osman Krand [1]
Thursday	13:10-15:00	Hernias	İbrahim Berber [1]
Friday	13:10-15:00	Abdominal trauma	Ümit Topaloğlu[5]
Monday	13:10-15:00	Diseases of thyroid gland	YılmaZ User [3]
Salı	13:10-15:00	Diseases of the parathyroid glands	Atilla Çelik [2]
Wednesday	13:10-15:00	Diseases of the breast	Neşet Köksal [2]
Thursday	13:10-15:00	Benign* and malignant** diseases of the stomach	Ümit Topaloğlu[5]
Friday	13:10-15:00	Surgical infections* and soft tissue tumors**	*Ender Dulundu[5] ** Erkan Özkan[5]
Monday	13:10-15:00	Benign and malignant diseases of the oesophagus	Neşet Köksal [2]
Tuesday	13:10-15:00	Transplantation	İzzet Titiz [1]
Wednesday	13:10-15:00	Intestinal obstruction	Yahya Özel [5]
Thursday	13:10-15:00	Diseases of the adrenal glands and spleen	İzzet Titiz [1]
Friday	13:10-15:00	Burns and immediate therapy	Ender Dulundu[5]
Fridayrtesi			
Pazar			
Monday			
Tuesday			
Wednesday			
Thursday	10:00-11:00	Written Exam	
Friday	10:00	Bed Side	

HAYDARPASA NUMUNE TRAINING AND RESEARCH HOSPITAL
GENERAL SURGERY
PRACTICAL EDUCATIONAL PROGRAMME

Monday	15:10-16:00	Abdominal examination	İ.Titiz, N.Köksal, Y.User, A.Sağlam, Ü.Topaloğlu
Tuesday	15:10-16:00	Surgical instruments	O.Krand, E.Altınlı, Y.User, T.Müftüoğlu, E.Dulundu
Wednesday	15:10-16:00	Sutures	İ.Berber, R.Kurt, A.Poyraz, M.Odabaşı, E.Özkan
Thursday	15:10-16:00	Catheters	O. Krand, R.Kurt, N.Aydın, G.Gürleyik, M.K.Yıldız
Friday	15:10-16:00	Vascular access	İ.Berber, MA Uzun, A.Poyraz, H.Pekcan, E.Dulundu
Monday	15:10-16:00	i.v treatment	E.Erdoğdu, A.Çelik, N.Aydın, A.Aktekin, E.Özkan
Tuesday	15:10-16:00	Patient monitorization	O.Krand, N.Köksal, M.Tilki, T.Müftüoğlu, Ü.Topaloğlu
Wednesday	15:10-16:00	Disinfection	İ.Berber, E.Altınlı, Y.Bilsel, M.Odabaşı, M.K.Yıldız
Thursday	15:10-16:00	Wound care	F.Göçer, R.Kurt, Y.User, A.Aktekin, M.K.Yıldız
Friday	15:10-16:00	Diabetic foot	İ.Titiz, MA Uzun, Y.User, A.Sağlam, Ü.Topaloğlu
Monday	15:10-16:00	Endoscopy	O.Krand, A.Çelik, Y.Bilsel, T.Müftüoğlu, E.Dulundu
Tuesday	15:10-16:00	Blood transfusions	O.Krand, A.Çelik, A.Poyraz, A.Sağlam, Y.Özel
Wednesday	15:10-16:00	Examination of the trauma patient	O.Krand, N.Köksalan, N.Aydın, G.Gürlyik, E.Özkan
Thursday	15:10-16:00	Management of the trauma patient	İ.Berber, E.Altınlı, Y.Bilsel, M.Odabaşı, E.Dulundu
Friday	15:10-16:00	Biopsy methods	İ.Berber, M.Kayhan, A.Poyraz, A.Sağlam, M.K.Yıldız
Monday	15:10-16:00	TPN-TEN	İ.Titiz, N.Köksal, Y.User, A.Sağlam, Ü.Topaloğlu
Tuesday	15:10-16:00	Examination of the thyroid	F.Göçer, N.Köksal, Y.User, M.Odabaşı, E.Özkan
Wednesday	15:10-16:00	Anorectal examination	İ.Titiz, R.Kurt, Y.Bilsel, A.Aktekin, E.Dulundu
Thursday	15:10-16:00	Breast examination	N.Kayabeyoğlu, A.Çelik, N.Aydın, M.Odabaşı, Ü.Topaloğlu
Friday	15:10-16:00	Thoracic examination	İ.Berber, M.Kayhan, H.Tanrıku, G.Gürleyik, E.Dulundu
Monday	15:10-16:00	Forensic examination	E.Erdoğdu, R.Kurt, M.Tilki, H.Pekcan, E.Özkan
Tuesday	15:10-16:00	Patient transport	O.Krand, MA Uzun, A.Poyraz, M.Odabaşı, M.K.Yıldız
Wednesday	15:10-16:00	Methods of imaging	İ.Titiz, N.Köksal, Y.User, A.Sağlam, Ü.Topaloğlu
Thursday	15:10-16:00	Hernia examination	O.Krand, MA Uzun, A.Poyraz, A.Sağlam, Ü.Topaloğlu
Friday	15:10-16:00	Management of the burn wound	M.Kara, M.Kayhan, N.Aydın, G.Gürleyik, Y.Özel
Monday			
Tuesday			
Wednesday			
Thursday		Written Exam	
Friday		Bed Side	

*PLASTIC AND RECONSTRUCTIVE
SURGERY
(1 WEEK)*

*THORACIC SURGERY
(1 WEEK)*

*CARDIOVASCULAR SURGERY
(1 WEEK)*

**HAYDARPAŞA NUMUNE TEACHING AND RESEARCH HOSPITAL
PLASTIC RECONSTRUCTIVE AND SURGERY**

1. Scope of Plastic Surgery

Learning objectives

You should :

- Learn the applications of plastic and reconstructive surgery
- Learn how to refer patients for optimal therapy

2. Wound healing

Learning objectives

You should :

- Learn phases of wound healing
- Understand latest concepts about wound care

3. Skin graft and flap

Learning objectives

You should :

- Have a clear understanding of the tissue defect, it's characteristics
- Set out the principle of the defects
- Interpret the common approach to the skin defects

4. Cleft lip and palate

Learning objectives

You should :

- Have a clear understanding of the anomalies of the cleft lip and palate
- Understand it's etiologies and timing of the treatment
- Be prepared inform the family of the patient about this anomalies

5. Skin Cancer and Malignant Melanoma

Learning objectives

You should :

- Learn the diagnosis and treatment of skin cancer

6. Burn and Reconstructive Surgery

Learning objectives

You should :

- Learn initial approach to a burn patient and principles of therapy
- Understand principles of wound care in burn patient

7. Maxillofacial trauma

Learning objectives

You should :

- Learn how to diagnose a maxillofacial trauma in an emergency setting
- Learn initial steps of management in maxillofacial trauma

8. Principles of hand surgery

Learning objectives

You should :

- Review hand anatomy and understand it's relation to various functional deficits

9. Cosmetic surgery

Learning objectives

You should :

- Understand the general principles of cosmetic surgery
- Be able to answer common questions about aesthetic operations
- Learn how to refer patients for optimal therapy

LECTURES

Scope of plastic surgery
Wound healing
Skin graft and flap
Cleft lip and palate
Skin cancer and malignant melanoma
Burn and reconstructive surgery
Maxillofacial trauma
Principles of hand surgery
Cosmetic surgery

PLASTIC RECONSTRUCTIVE AND AESTHETIC SURGERY LECTURE PROGRAMME

LECTURE

LECTURER

Scope of plastic surgery
Wound healing
Skin graft and flap
Cleft lip and palate
Skin cancer and malignant melanoma
Burn and reconstructive surgery
Maxillofacial trauma
Principles of hand surgery
Cosmetic surgery

Adnan Uzunismail, MD, Prof.
Nurdan Öztürk, MD
Mustafa Tercan, MD, Assoc.Prof.
Mustafa Tercan, MD, Assoc.Prof.
Esra Çelik Soylu, MD
Elif Eren Aydın, MD
Selçuk Öztunç, MD
Hasan Fındık, MD
Adnan Uzunismail, MD, Prof.

**BASIC LECTURES
PLASTIC RECONSTRUCTIVE AND AESTHETIC SURGERY**

Basic principles and scope of plastic reconstructive and aesthetic surgery

- Wound healing
- Open wound management, grafts and flaps

Head and neck surgery

- Cleft lip, cleft palate and other craniofacial anomalies
- Soft tissue injuries
- Facial bone fractures
- Benign and malignant tumors

Principles of hand and upper extremity surgery

Skin management

- Benign and malignant skin and subcutaneous tissue tumors
- Burns

Free tissue transfer, reconstructive microsurgery

Gender reassignment surgery

Cosmetic (Aesthetic) surgery

**HAYDARPAŞA NUMUNE TEACHING AND RESEARCH HOSPITAL
PLASTIC RECONSTRUCTIVE AND AESTHETIC SURGERY
TEACHING PROGRAMME**

1. Day

08.30 *Welcome, Grand round, adaptation and practice*

11.00 *Lecture*

Scope of plastic surgery

Adnan Uzunismail, MD, Prof.Dr.

13.30 *Lecture*

Wound healing

Nurdan Öztürk, MD

2. Day

08.30 *Round, bedside practice*

09.00 *Lecture*

Skin graft and flap

Mustafa Tercan, MD, Assoc.Prof.Dr.

13.30 *Lecture*

Cleft lip and palate

Mustafa Tercan, MD, Assoc.Prof.Dr.

3. Day

08.30 *Round, bedside practice*

09.00 *Lecture*

Skin cancer

Esra Çelik Soylu, MD

13.30 *Lecture*

Burn and reconstructive surgery

Elif Eren Aydın, MD

4. Day

08.30 *Round, bedside practice*

09.00 *Lecture*

Maxillofacial trauma

Selçuk Öztunç, MD

13.30 *Lecture*

Principles of hand surgery

Hasan Fındık, MD

5. Day

08.30 *Round, bedside practice*

10.00 *Lecture*

Cosmetic surgery

Adnan Uzunismail, MD, Prof.Dr.

13.30 **Exam**

PHASE IV

SIYAMI ERSEK TRAINING AND RESEARCH HOSPITAL THORACIC SURGERY EDUCATIONAL PROGRAM

- 1) Surgical anatomic features of the thorax
- 2) Nuclear and radiologic imaging for thoracic surgery
- 3) Preoperative evaluation for thoracic surgery
- 4) Invasive diagnostic procedures
- 5) Chest wall tumors and Surgical treatment
- 6) Postoperative complications and follow up for thoracic surgery
- 7) Mediastinal diseases and tumors
- 8) Bullous disorders and pneumothorax
- 9) Surgical treatment of pleural cavity
- 10) Tracheal diseases
- 11) Lung Neoplasms 1
- 12) Lung Neoplasms 2
- 13) Inflammatory and infection diseases of lung
- 14) Chest wall deformities
- 15) Diaphragmatic disorders
- 16) Thoracic trauma

1) Surgical anatomic features of the thorax

The surgical importance of the normal anatomic features of the thorax

2) Nuclear and radiologic imaging for thoracic surgery

The importance and application areas of nuclear medicine imaging and radiology in the definition of pathology of the organs of the thorax

3) Preoperative evaluation for thoracic surgery

What should be done for the evaluation of the preoperative, perioperative and postoperative risk factors has been studied

4) Invasive diagnostic procedures

Indications and complications of invasive techniques used for diagnosis and treatment in thoracic surgery have been studied.

5) Chest wall tumors and Surgical treatment

Etiologic Factors, classification and surgical treatment of chest wall tumors

6) Postoperative complications and follow up for thoracic surgery

Postoperative complications and follow up for thoracic surgery

7) Mediastinal diseases and tumors

The description of mediasten and approach to the diagnosis and treatment of mediastinal masses

8) Bullous disorders and pneumothorax

What is pneumothorax? The etiology and treatment of pneumothorax

The classification of bullous disorders and the surgical treatment of bullous disorders

9) Surgical treatment of pleural cavity

Anatomy of the pleura, the diagnosis and treatment of pleural diseases

The etiology, diagnosis and treatment of pleural effusion

10) Tracheal diseases

Anatomy of the trachea and general approach to tracheal diseases and tracheal foreign body

11) Lung Neoplasms 1

Predisposing factors, etiology and histopathologic classification of lung cancer

12) Lung Neoplasms 2

*Stage classification **and** surgical treatment of lung cancer*

13) Inflammatory and infection diseases of lung

*Description, etiology, diagnostic procedures and treatment of common infectious **and** inflammatory lung diseases*

14) Chest wall deformities

*Congenital and acquired deformities of **anterior** chest wall and surgical correction techniques*

15) Diaphragmatic disorders

Anatomy of the diaphragm, diagnosis **and** treatment of diaphragmatic disorders

16) Thoracic trauma

*Approach to the patient with thoracic trauma, types **of** thoracic trauma and surgical treatment methods*

08.40-10.30	Surgical anatomic features of the thorax Tamer Okay MD	Chest wall tumors and Surgical treatment Ilgaz Doğusoy MD	Surgical treatment of pleural cavity Bülent Aydemir,MD	Inflamatory and infection diseases of lung Ilgaz Doğusoy MD
10.30-12.30	Nuclear and radiologic imaging for thoracic surgery Murat Yaşaroğlu, MD	Postoperative complications and follow up for thoracic surgery Mehmet Yıldırım MD	Tracheal diseases Oya U. İmamoğlu MD	Chest wall deformities Tamer Okay MD
13.40-15.30	Preoperative evaluation for thoracic surgery Hatice C. Demirbağ ,MD	Mediastinal diseases and tumors Murat Yaşaroğlu MD	Lung Neoplasms 1 Muharrem Çelik, MD,Ass. Prof.	Diaphragmatic disorders Bülent Aydemir,MD
15.30-17.30	Invasive diagnostic procedures Oya U. İmamoğlu MD	Bullous disorders and pneumothorax Hatice C. Demirbağ ,MD	Lung Neoplasms 2 Muharrem Çelik, MD,Ass. Prof.	Thoracic trauma Mehmet Yıldırım MD

**YEDITEPE UNIVERSITY FACULTY OF MEDICINE
CARDIOVASCULAR SURGERY EDUCATIONAL PROGRAM**

Deniz Suha Kuçukaksu, MD Prof.
Cenk Eray Yıldız, MD Assist.Prof.
Mehmet Ümit Ergenoğlu, MD Assist.Prof.
Halit Yerebakan, MD.Research Assist.

I. CARDIOVASCULAR SURGERY BASIC INFORMATION

A. SURGICAL ANATOMY OF THE HEART

1. General anatomy
 2. Conduction system
 3. Arteries
 4. Cardiac Valves and Neighborliness

- Context of lesson:

1. [Size of heart](#)
2. Axis of heart
3. [Location](#) of heart
4. [Pericardium](#)
5. [Projective location of heart](#)
6. [Anatomy](#) of heart
7. [Structure](#) of interior chamber of heart
8. [Structure of atrium dexter](#)
9. [Structure of atrium sinister](#)
10. Ventriculus dexter
11. [Ventriculus sinister](#)
12. [Projection](#) of heart valves
13. Auscultation points of heart
14. [Cardiac](#) fibrous skeleton
15. Assessment of thoracic radiologic roentgenograms
16. Muscle layer of heart (myocardium)
17. Work of heart
18. [Pacemaker of heart](#)
19. Conduction system of heart
20. Nervous system of heart
21. Referring pain
22. Major and minor blood circulation
23. Alimentation of heart
24. Veins of heart
25. [Lymphatic](#) circulation of heart
26. [Anatomy](#) of important grafts using in coronary artery bypass surgery

B. CARDIOVASCULAR PHYSIOLOGY AND FUNCTION

1. Cardiac cycle
2. Resultant of myocardial excitation-contraction
3. Stroke volume and cardiac output
4. Affecting factors of cardiac function and contractility
5. Systemic circulation
6. Arterial circulation
7. Physiology of coronary circulation
8. Arrangement of coronary blood flow

C. PHARMACOLOGIC APPROACH IN CARDIAC SURGERY

1. Low cardiac output and treatment
2. Beta blockers and indications for use
3. Arrhythmias and treatment
4. Coagulation

D. CARDIOPULMONARY BYPASS

1. Heart lung machine
2. Application of cardiopulmonary bypass (extra cardiac circulation)
3. Blood gas
4. Deep hypothermic circulatory arrest
5. Cardioplegia (antegrade, retrograde, direct cardioplegia)
6. Cardioplegic solution
7. Myocardial protection
8. Protection of myocardium (fibrillation, ischemic and pharmacologic arrest)

II. CONGENITAL HEART DISEASE AND SURGERY

A. EMBRYOLOGY, ANATOMY AND SHORT HISTORY:

1. Embryology and anatomy of normal heart
2. Embryology and anatomy of main cardiac anomalies
3. Using angiography, echocardiography and other imaging methods for diagnosing anomalies
4. History of congenital cardiac surgery and improved operating techniques for correcting cardiac anomalies.

B. PHYSIOLOGY AND PHYSIOLOGIC ASSESMENT:

1. Normal fetal circulation
2. Circulation versatility during newborn period
3. Intra and extra cardiac shunts, normal connection to the heart and anomalies in fetus, newborn and childhood obstructions combination physiology.
Main changes;
 - Pulmonary circulation variations (i.e. mechanic factors, oxygen effects, vasoactive substances, hormonal substances),
 - Ductus arteriosus variations (factors help to close and keep open),
 - Foramen ovale variations (factors help to close and keep open),

- Anatomic anomalies: obstruction (i.e. aortic stenosis, pulmonary atresia); extra pathways (i.e. atrial septal defect, ventricular septal defect); abnormal connections (i.e. transposition of great vessels), combination of increased or decreased blood to one area (i.e. tetralogy of Fallot, double outlet right ventricle, abnormal pulmonary veins),
- Calculation of flow resistance and ratio (Qp and Qs ratio), pulmonary vascular resistance and pulmonary hypertension,

C. ASYANOTIC ANOMALIES (LEFT TO RIGHT SHUNTS) :

1. Anatomies embryologies and physiologies of most frequent or important anomalies
2. Operative indications for most frequent or important anomalies
3. Operative repair of most important or frequent anomalies
4. Postoperative care of anomalies

- Context of lesson:

1- Atrial septal defect;

- a. Anatomy, types of atrial septal defect and most important parts of right atrium,
- b. Clinic features, Operating indications,
 - c. Clinical signs and symptoms, physical examination,
- d. Telegraphy and electrocardiography, Echocardiography and cardiac catheterization,
- e. Operative repair techniques and their complications,
- f. Results

2- Ventricular septal defect;

- a. Anatomy, types, and clinic features,
- b. Clinical signs and findings, physical examination,
- c. Echocardiography and cardiac catheterization, Telegraphy and electrocardiography.
- d. Operative indications, contraindications and surgical timing
- e. Operative repair techniques and complications,
- f. Results, expected operative mortality long term results,

3- Patent ductus arteriosus;

- a. Anatomy and physiology,
 - b. Diagnosis and clinical features, symptoms and physical examination,
- c. Echocardiography and cardiac catheterization, Telegraphy and electrocardiography,
 - d. Operative indications,
 - e. Associated anomalies (i.e. ductus dependent conditions),
- f. Operative repair techniques and their complications,
- g. Results, expected operative mortality, long term results,

4- Atrioventricular septal defect;

- a. Anatomy, types and important parts of right atrium,
- b. Clinical features, operative indications,
 - c. Clinic signs and symptoms, physical examination,
- d. Telegraphy and Electrocardiography, Echocardiography and cardiac catheterization,
- e. Operative repair techniques and their complications,
- f. Results

5- Double Outlet Right Ventricular;

- a. Anatomy, types (subaortic, subpulmonic, independent),
- b. Associated anomalies, clinical features, natural progress,
- c. Operative timing for indications,

- d. Operative repair techniques and their complications,
- f. Palliative operations or total repair (shunt applications, pulmonary artery banding, total repair),
- g. Complications and their management, results, expected operative mortality, long term results,

6- Aortopulmonary window;

- a. Anatomy, clinical features,
- b. Echocardiography, cardiac catheterization, Telegraphy, Electrocardiography,
- c. Operative repair, results, expected operative mortality, long term results.

D. SYANOTIC ANOMALIES (RIGHT TO LEFT SHUNTS) :

- 1. Anatomy and physiology of each anomaly, diagnostic methods,
- 2. Role of medical treatment or interventional cardiology
- 3. Indications for operative timings
- 4. Technical components of operative repair
- 5. Postoperative care, expected result, long term result and their complications.

- Context of lesson:

1. Tetralogy of Fallot;

- a. Anatomy and embryology, embryology of faulty ventricular septal defect,
- b. Origin of spell attacks and infundibular spasm,
- c. Clinical features, symptoms and physical examination,
- d. Cardiac catheterization, echocardiography, angiography, telegraphy, electrocardiography,
- e. Indications of operation and timing for surgery,
- f. Operative repair and complications,
- g. Role of systemic-pulmonary artery shunt or total repair,
- h. Types of Aort-pulmonary artery shunts.

2. Transposition of Great Arteries (TGA);

- a. Anatomy, simple TGA, complex TGA,
- b. Clinic features, symptoms and physical examination,
- c. Echocardiography, angiography, cardiac catheterization, telegraphy, electrocardiography.
- Natural progress, role of balloon atrial septostomy,
- d. Operation and indications for timing of operation,
- e. Operative repair and its complications,
- f. Blalock-Hanlon atrial septectomy, open atrial septectomy technique,
- g. Total repair operative technique (Mustard, Senning, arterial switch, Rastelli),
- h. Palliative operations (PA band, systemic-pulmonary artery shunt),
- i. Results, expected operative mortality, long term results,

3. Truncus arteriosus;

- a. Anatomy, types of Truncus arteriosus,
- b. Associated anomalies (VSD, left ventricular outflow obstruction, arch interruption, DiGeorge syndrome),
- c. Clinic features, symptoms and physical findings,
- d. Cardiac catheterization, echocardiography, angiography, telegraphy, electrocardiography,
- e. Natural progress (evolution of pulmonary vascular obstructive disease),
- f. Operation and indications of timing for surgery,
- g. Operative techniques, conduits (composite and homograft),
- h. Results, expected operative mortality, long term results, complications.

4. Tricuspid atresia;

- a. Anatomy, subtypes, physiology, with subtypes of right to left shunt, subtypes of left to right shunt, clinic features, symptoms and physical findings,
- b. Echocardiography, angiography, cardiac catheterization, telegraphy, electrocardiography,
- c. Operation and indications of timing for surgery,
- d. Results, expected operative mortality, long term results, complications,

5. Total abnormal pulmonary venous connection;

- a. Anatomy, supracardiac, cardiac, infracardiac, complicated, physiology,
- b. Obstructive or non-obstructive, clinic features, symptoms, physical findings,
- c. Cardiac catheterization, echocardiography, angiography, Telegraphy, Electrocardiography, natural progress,
- d. Indications for timing of surgery,
- e. Long term results, complications

6. Ebstein anomaly;

- a. Anatomy, physiology, concept of atrialized ventricle,
- b. Clinic features, symptoms and physical findings, cardiac catheterization, echocardiography, angiography, telegraphy, electrocardiography,
- c. Operation and indications for timing of surgery,
- d. Operative repair and complications,
- e. Tricuspid repair, obliteration technique for atrialized ventricle,
- f. Tricuspid valve replacement technique,
- g. Results, complications.

E. OBSTRUCTIVE ANOMALIES :

1. Anatomy and physiology of each anomaly, diagnostic methods
2. Role of medical management and interventional cardiology
3. Operation and indications for timing of surgery
4. Technical components of operative repair
5. Principles of postoperative care
6. Expected results, long term results, complications.

-Context of lesson:

1. Aortic Stenosis;

- a. Anatomy, supra-aortic, valvular, sub-aortic (subtypes including), physiology, associated anomalies, clinical features, symptoms and physical findings,
- b. Cardiac catheterization, echocardiography, angiography, telegraphy, electrocardiography,
- c. Natural progress, operation and indications for timing of surgery,
- d. Operative repair and complications,
- e. Procedures for enlargement of aortic annulus (Konno-Rastan procedure, Ross procedure), apical aortic conduit technique, myectomy for sub-aortic obstruction,
- f. Result, expected operative mortality, long term results, complications.

2. Pulmonary stenosis;

- a. Anatomy, valvular and supra-aortic, associated anomalies (i.e. atrial septal defect, ventricular septal defect, pulmonary side branch stenosis),
- b. Clinic features, symptoms and physical findings,
- c. Echocardiography, angiography, cardiac catheterization, telegraphy, electrocardiography,
- d. Operation and indications for timing,

- e. Operative repair and complications,
- f. Result, expected operative mortality, long term results, complications.

3. Aort coarctation;

- a. Anatomy, physiology, infant or child, preductal or postductal,
- b. Relationship with Ductus arteriosus, associated anomalies (i.e. transverse aortic hypoplasia, patent ductus arteriosus, LVOT obstruction),
- c. Clinic features, symptoms and physical findings (newborn with closing ductus, infant or child),
- d. Echocardiography, angiography, cardiac catheterization, telegraphy, electrocardiography,
- e. Indications for operation and timing of surgery, role of prostaglandins for stabilizing of newborn,
- f. Effect of associated anomalies (i.e. patent ductus arteriosus, aortic stenosis, ventricular septal defect),
- g. Operative repair techniques and complications,
- h. Results, expected operative mortality, long term results, complications,
- j. Recoarctation.

4. Interrupted arcus aorta;

- a. Anatomy, Type A, B, C,
- b. Physiology, importance of ductal openness, prostaglandins,
- c. Clinic features, symptoms and physical examination,
- d. Echocardiography, angiography, cardiac catheterization, telegraphy, electrocardiography,
- e. Operation and indications for timing of surgery,
- f. Importance of prostaglandins for preoperative stabilization,
- g. Operative repair technique and complications,
- h. Repair of associated anomalies, results, expected operative mortality, long terms results, complications, reoperation, and management of DiGeorge syndrome.

5. Vascular rings;

- a. Anatomy,
- b. Double aortic arcus, abnormal subclavian artery, vascular rings, pulmonary artery sling,
- c. Physiology, airway and esophageal compression,
- d. Clinic features, signs and symptoms,
- e. Barium esophagogram, computed tomography scanning, magnetic resonance imaging,
- f. Operative repair and complications,
- g. Long term results, complications,

III. SURGERY FOR PERIPHERAL VASCULAR DISEASE

1. Assessment of arterial, venous and lymphatic circulation
2. Critical leg ischemia, chronic atherosclerotic arterial diseases, cerebrovascular diseases, peripheral artery aneurysms, inflammatory arterial diseases, venous and lymphatic systems related medical and surgical procedures.

1. Patient care

- a. Competent and functional history and physical examination,
- b. Suitable noninvasive vascular tests (i.e. laboratory, computed tomography, magnetic resonance) and invasive diagnostic tests (angiography)
- c. Non-surgical treatment methods of arterial, venous and lymphatic diseases.

d. Surgical vascular procedures (i.e. central venous catheter placement, wound care, toe amputations, major extremity amputations, varicose vein phlebectomy, sclerotherapy).

2. Medical accumulation

- a. Anatomy and physiology of arterial, venous and lymphatic systems,
- b. Pathology of arterial venous and lymphatic diseases.

-Contents of lesson:

1. Thrombosis associated topics
 - a. Antiplatelet agents
 - b. Anticoagulants
 - c. Thrombolysis
2. Atherosclerosis and medical therapy
3. Vascular laboratory tests
4. Principles of diagnostic and interventional angiograph
5. Cerebrovascular diseases
6. Upper extremity ischemia
7. Mesenteric vascular diseases
 - a. Acute mesenteric ischemia
 - b. Chronic mesenteric ischemia
 - c. Non-occlusive mesenteric ischemia
8. Renovascular diseases
 - a. Aneurysmal diseases
 - b. Aortoiliac aneurysms
 - c. Femoro-popliteal aneurysms
 - d. Visceral and renal aneurysms
9. Peripheral vascular diseases
 - a. Claudication
 - b. Rest pain
 - c. Non-healing ulcer
 - d. Gangrene
10. Vascular access routes
11. Vascular trauma
12. Venous thromboembolic diseases
 - a. Superficial phlebitis
 - b. Deep vein thrombosis
 - c. DVT prophylaxis
 - d. Calf and proximal DVT
 - e. Pulmonary emboli
13. Varicose veins
14. Lower extremity amputations

IV. SURGERY FOR ACQUIRED HEART DISEASES

A. ISCHEMIC HEART DISEASES

1. CORONARY ARTERY BYPASS SURGERY

- a. Introduction and information
- b. Clinic features, symptoms and physical examination,
- c. Echocardiography, angiography, cardiac catheterization, telegraphy, electrocardiography,
- d. Operation and indications for timing of surgery,
- e. Operative technique (off pump, on pump, minimal invasive)

- Conduits

- Vein grafts (v. Saphena magna, v. Saphena parva, basilic and cephalic veins)

- Arterial grafts (internal thoracic artery, radial artery, gastroepiploic artery, ulnar artery, inferior epigastric artery)

- Prosthetic vessels (PTFE grafts)

- Myocardial protection

- Technique of anastomosis

- Coronary endarterectomy

f. Left ventricular aneurysm and surgery

B. AORTIC DISEASES AND SURGERY

1. AORTIC DISSECTIONS

- a. Introduction and information
- b. Description
- c. Incidence
- d. Pathogenesis
- e. Etiology
- f. Classification
- g. Clinic
- h. Physical examination
 1. Primary procedures for diagnosing and treatment
 - i. Diagnostic methods
 - j. Surgical indications

2. ASCENDING AORTIC ANEURYSMS

- a. Risk factors
- b. Etiology and pathophysiology
- c. Clinic
- d. Diagnostic methods
- e. Indications for surgery
- f. Operative techniques

3. THORACAL AND THORACOABDOMINAL AORTIC ANEURYSMS

- a. Classification and natural progress
- b. Symptoms and clinic
- c. Diagnostic methods
- d. Surgical indications and treatment

C. SURGERY FOR VALVULAR DISEASES

1. MITRAL VALVE DISEASES

- a. Mitral valve surgical anatomy
- b. Mitral valve disease and pathophysiology
- c. Mitral valve disease and surgical indications
- d. Mitral valve repair techniques
- e. Mitral valve replacement and prosthetic alternatives
- f. Mitral valve endocarditis and surgical treatment

2. AORTIC VALVE DISEASES

- a. Aortic valve surgical anatomy
- b. Aortic valve disease and pathophysiology
- c. Aortic valve disease and surgical indications
- d. Aortic valve repair techniques
- e. Aortic valve replacement and prosthetic alternatives
- f. Aortic valve endocarditis and surgical treatment

3. TRICUSPID VALVE DISEASES

- a. Tricuspid valve surgical anatomy
- b. Tricuspid valve disease and pathophysiology
- c. Tricuspid valve disease and surgical indications
- d. Tricuspid valve repair techniques
- e. Tricuspid valve replacement and prosthetic alternatives
- f. Tricuspid valve endocarditis and surgical treatment

V. TRANSPLANTATION AND MECHANICAL CIRCULATORY SUPPORT

- a. Intraaortic balloon pump and application for treatment
- b. Mechanical circulatory support and applications after cardiac surgery
- c. Long term mechanical circulation support and alternatives
- d. Heart transplantation and history
- e. Heart transplantation and surgical techniques
- f. Total artificial heart and current applications

VI. PERICARDIAL DISEASES

- a. Pericard anatomy and physiology
- b. Pericard diseases
- c. Pericard tumors
- d. Pericard tamponade and surgical treatment

08.40-09.30	General Considerations: Surgical Cardiac Anatomy	Valvular Disease, Surgical Approach Aortic Insufficiency and Stenosis	Pediatric Cardiac Surgery: Atrial & Ventricular Septal Defects	Vascular Surgery, Venous Disease: Imaging Techniques in Venous Disease
09.40-10.30	General Considerations: Extracorporeal Perfusion (ECP)	Valvular Disease, Surgical Approach: Mitral Insufficiency and Stenosis	Pediatric Cardiac Surgery: Patent Ductus Arteriosus and Coarctation of Aorta	Vascular Surgery, Venous Disease: Venous Insufficiency: Diagnosis, Management & Surgical Indications
10.40-11.30	General Considerations: Intraoperative organ protection	Valvular Disease, Surgical Approach: Surgical Approach to Infective Endocarditis	Pediatric Cardiac Surgery: Fallot's Tetralogy	Vascular Surgery, Venous Disease: Deep Vein Thrombosis & Lymphedema: Diagnosis, Management & Surgical Approaches
11.40-12.30	Surgery For Coronary Artery Disease: Coronary Artery Anatomy	Disease of Aorta, Surgical Treatment: Aortic Aneurysms, ascending & descending	Pediatric Cardiac Surgery: Transposition of Great Arteries & Surgery	Heart Transplantation, Current Approaches for Heart Failure: Heart Transplantation, Ventricular Assist Devices, Total Artificial Heart
13.40-14.30	Surgery For Coronary Artery Disease: Myocardial Revascularization Techniques, Conduits in Coronary Surgery	Disease of Aorta, Surgical Treatment: Aortic Dissection	Vascular Surgery, Arterial Disease: Peripheral Arterial Disease: Diagnosis, Management & Surgical Indications	
14.40-15.30	Surgery For Coronary Artery Disease: Off-Pump Coronary Artery Bypass Surgery (OPCAB)	Arrhythmia Surgery: Cardiac Arrhythmias and Surgical Treatment	Vascular Surgery, Arterial Disease: Imaging Techniques in Peripheral Artery Disease	

<p>15.40-16.30</p>	<p>Surgery For Coronary Artery Disease:</p> <p>Postinfarction Ventricular Septal Defects, Free Wall Rupture</p>	<p>Pediatric Cardiac Surgery:</p> <p>Congenital Cardiac Defects: Embryology & Fetal Circulation</p>	<p>Vascular Surgery, Arterial Disease:</p> <p>Carotid Artery Disease: Surgeon's Perspective</p>	
<p>16.40-17.30</p>	<p>Valvular Disease, Surgical Approach:</p> <p>Cardiac Valve Prosthesis</p>	<p>Pediatric Cardiac Surgery:</p> <p>Palliative Procedures in Congenital Heart Disease</p>	<p>Vascular Surgery, Arterial Disease:</p> <p>Subclavian Steal Syndrome, Vasospastic Disease (Reynaud Disease)</p>	

*OBSTETRICS
AND
GYNECOLOGY
(6 Weeks)*

PHASE IV

**ZEYNEP KAMIL WOMEN AND CHILDREN'S TRAINING AND RESEARCH
HOSPITAL,
GYNECOLOGY AND OBSTETRICS CLINICS THEORETICAL EDUCATIONAL
PROGRAM**

2008- 2009

Subject	Lecturer
Obstetric and Gynecologic Anatomy	Ateş KARATEKE
Neuroendocrinology – Ovarian functions	Tayfun KUTLU
Normal Menstrual Cycle	Seda ÇAKIR
Puberty and Stages of Woman's Life	Niyazi TUĞ
Physiology of Pregnancy	Çetin ÇAM
Normal Labor	Aktuğ ERTEKİN
Abnormal Labor	Vedat DAYICIOĞLU
Induction of Labor	Bülent TANDOĞAN
Third Trimester Bleeding	Tayfun KUTLU
Postpartum Bleeding	Habibe AYVACI
Antepartum and Intrapartum Fetal Assesment	Bülent TANDOĞAN
Prenatal Diagnosis and Management	Mehmet ULUDOĞAN
Preterm Labor	Oya DEMİRCİ
Premature Rupture of Membranes	Zeki ŞAHİNOĞLU
Intrauterine Growth Restriction	Oya DEMİRCİ
Hypertansive Disorders In Pregnancy	Nazan TARHAN
Pregestational and Gestational Diabetes Mellitus	Semih TUĞRUL
Ectopic Pregnancies	Ebru ÇÖGENDEZ
Puerperium and Lactation	Zeki ŞAHİNOĞLU
Endometriosis	Niyazi TUĞ
Etiology and Diagnosis of Infertility	Kenan SOFUOĞLU
Treatment of Infertility	Kenan SOFUOĞLU
Amenorrhea	Belgin DEVRANOĞLU
Gynecologic Problems of Childhood And Adolescence	Seda ÇAKIR
Recurrent Pregnancy Loss	Ayşe GÜRBÜZ
Lower and Upper Genitourinary Infections	Belgin DEVRANOĞLU
Contraception Methods	Erşan DEMİRAĞ
Urinary Incontinence in Women – Basic Management	Çetin ÇAM
Prolapsus of Pelvic Organs	Çetin ÇAM
Benign Diseases of the Uterus	Canan KABACA
Benign Diseases of the Ovaries and the Fallopian Tubes	Ayşe GÜRBÜZ
Endometrial Carcinoma	Ayşe GÜRBÜZ
Cervical Intraepithelial Lesion and Cancer of Cervix	Ateş KARATEKE
Vulvar Intraepithelial Neoplasia and Cancer of Vulva	Canan KABACA
Ovarian Cancer	Ateş KARATEKE
Gestational Trophoblastic Diseases	Sadiye EREN

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